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President's Report

by
Livingston Farrand

for 1936-37

With appendices containing a summary of
financial operations, and reports of
the Deans and other officers

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REPORT OF THE PRESIDENT FOR 1936-37

To the Board of Trustees of Cornell University:

I have the honor to present the following report on the progress of Cornell University during the academic year 1936-37.

The University has suffered serious loss by death of the following distinguished figures:

Robert H. Treman, a Trustee of the University for over forty-five consecutive years, died in Ithaca, January 4, 1937. Mr. Treman served as Alumni Trustee from 1891 to 1896 when he was elected by the Board to membership and he served continuously in this capacity until his death. Having acted on many special committees of the Trustees, Mr. Treman was, at the time of his death, a member of the Finance Committee, of which he was chairman from 1933 to 1935, the Committee on Buildings and Grounds, and the Committee on General Administration of which he was chairman.

Louis Munroe Dennis, Professor of Inorganic Chemistry, Emeritus, died in Ithaca, December 9, 1936. He came to Cornell as Instructor in Chemistry in 1887. He was appointed successively Assistant Professor of Analytical Chemistry, Associate Professor of Inorganic and Analytical Chemistry, and in 1897, Professor of Analytical Chemistry. In 1903, Professor Dennis was appointed Professor of Inorganic Chemistry and Head of the Department of Chemistry, and he served in these capacities until June 1932, when he was elected Professor of Inorganic Chemistry, Emeritus, and retired from active service.

Charles Henry Hull, Professor of American History, Emeritus, died July 15, 1936. His first appointment at Cornell was in 1889. He was successively Instructor, Assistant Professor of Political Economy, and from 1912 until his retirement in 1931, Goldwin Smith Professor of American History. In 1920-21 Professor Hull served as the Faculty Representative on the Board of Trustees. He was Dean of the Faculty of the College of Arts and Sciences from 1908 to 1913.

George R. McDermott, Professor of Structural Design, Emeritus, died in Ithaca, May 26, 1937. He joined the Faculty of Sibley College in 1892 as Assistant Professor of Naval Architecture. In 1905 Professor McDermott was appointed Professor of Naval Architecture, in charge of the Department of Naval Architecture and Marine Engineering. In 1909 he became Professor of Structural Design and continued in that office until 1929 when he was elected Professor of Structural Design, Emeritus, and retired.

Henry Hiram Wing, Professor of Animal Husbandry, Emeritus, died in Little Falls, N. Y., November 21, 1936. After his graduation Professor Wing came back to Cornell in 1890, where he remained a member of the Faculty for forty years. He was elected Professor of

Animal Husbandry in 1903, a position which he held until 1928, when he retired with the rank of Professor of Animal Husbandry, Emeritus.

Stanley R. Benedict, Professor and Head of the Department of Biochemistry in the Cornell University Medical College in New York City, died December 21, 1936. He served as Assistant Professor of Chemical Pathology 1910-11, Assistant Professor of Chemistry 1911-1912, and as Professor of Chemistry from 1912 to 1929, when he was made Professor of Biochemistry and Director of the Laboratories.

Cyrus R. Crosby, Extension Professor of Entomology, died in Rochester, January 11, 1937. His first appointment at Cornell was in 1906 as Experimental Entomologist in the Experiment Station. He served later as Entomologist there; then as Assistant Professor of Entomological Investigation, and in 1913 was appointed Extension Professor of Entomology and served in that capacity until his sudden death.

THE TRUSTEES

At the meeting of the Board held on November 7, 1936, Edmund Ezra Day was elected President of the University to take office July 1, 1937.

On June 21, 1937, Livingston Farrand was elected President Emeritus of the University.

Bancroft Gherardi was elected trustee to fill the vacancy caused by the death of R. H. Treman and was also elected chairman of the Committee on General Administration to succeed Mr. Treman.

At the meeting of the Board on June 21, 1937, Neal D. Becker, Bancroft Gherardi, and Roger H. Williams were elected Trustees of the University, each for a term of five years, to succeed themselves.

The alumni of the University elected Mary H. Donlon '20 and Alfred H. Hutchinson '09 as Trustees each for a term of five years to succeed Mary M. Crawford and Archie C. Burnett.

Edward R. Eastman was reappointed by the Governor as a Trustee for a term of five years.

Oswald D. Heck was elected Speaker of the Assembly and thus became an ex-officio Trustee of the University, succeeding Irving M. Ives.

At its winter meeting the New York State Agricultural Society elected Mr. Millard H. Davis of Kerhonkson, N. Y., president, and he thereupon became an ex-officio Trustee succeeding Dr. U. P. Hedrick.

Due to his resignation as Commissioner of Agriculture and Markets in New York State, P. G. Ten Eyck's membership on the Board automatically expired on June 18, 1937.

W. C. Teagle was elected a member of the Finance Committee to fill the vacancy caused by the death of R. H. Treman, and R. H. Williams was elected to succeed himself on that Committee. L. H. Durland, Assistant to the Comptroller, was appointed Secretary.

R. E. Treman was elected to serve as a member of the Committee on General Administration during the present dual incumbency of

Trustee J. DuPratt White, or until the expiration of Mr. Treman's term as Trustee.

Through a change in the University Statutes, a fourth Trustee member was added to the Medical College Council and Neal D. Becker was elected to fill that place. Other elections to that Council are: H. R. Ickelheimer to succeed himself for a period of three years, Dr. H. C. Stander to succeed himself for a two-year term as representative of the Medical College Faculty, and Dr. Eugene L. Opie to fill the unexpired term of Dr. Stanley R. Benedict, deceased.

By further changes in the University Statutes, an additional Trustee member was added to the State College Council and Harper Sibley was elected to that place. Other appointments to that Council are: Mary H. Donlon and M. C. Burritt to succeed Mary M. Crawford and Archie C. Burnett, Director Flora Rose and R. R. Birch to succeed themselves as representatives of their respective faculties.

Charles H. Blair was elected a member of the Committee on Buildings and Grounds to fill the vacancy left by the death of R. H. Treman.

Robert B. Meigs, Assistant to the Comptroller, was elected Assistant Secretary of the Board to succeed L. Nelson Simmons, who resigned on June 30, 1937.

THE FACULTY

The following appointments or promotions have been made during the year:

R. S. Stevens, Dean of the College of Law; F. K. Richtmyer, re-appointed Dean of the Graduate School; W. N. Barnard, Acting Director of the Sibley School of Mechanical Engineering;

A. C. Davis, Head of the Department of Experimental Engineering; J. Papish, Head of the Department of Chemistry; G. B. Upton, Head of the Department of Automotive and Aeronautic Engineering;

E. P. Andrews, Professor of Archaeology, Emeritus; T. L. Lyon, Professor of Soil Technology, Emeritus;

W. C. DeVane, Goldwin Smith Professor of English Literature; H. B. Adelmann, Professor of Histology and Embryology; R. C. Bald, Professor of English; H. A. Bethe, Professor of Physics; F. M. Blodgett, Professor of Plant Pathology and Plant Pathologist in the Experiment Station; Richard Bradfield, Professor of Soil Technology and Soil Technologist in the Experiment Station and Head of the Department of Agronomy; H. W. Briggs, Professor of Government; H. J. Davis, Professor of English; A. W. Gibson, Professor in Personnel Administration; F. E. Gladwin, Chief in Pomology in the Experiment Station; C. H. Guise, Professor in Personnel Administration; H. B. Hartwig, Professor of Field Crops; R. B. Hinman, Professor of Animal Husbandry and Animal Husbandman in the Experiment Station; F. B. Howe, Professor of Soil Technology and Soil Surveyor in the Experiment Station; H. E. Howe, Professor of

Physics; A. W. Laubengayer, Professor of Chemistry; C. O. Mackey, Professor of Heat Power Engineering; R. E. Montgomery, Professor of Economics; W. C. Muenschner, Professor of Botany and Weed Specialist in the Experiment Station; J. W. Papez, Professor of Anatomy; W. E. Stanley, Professor of Sanitary Engineering; J. C. Adams, Assistant Professor of English; H. R. Anderson, Assistant Professor of Education; R. F. Bacher, Assistant Professor of Physics; C. W. Barber, Research Assistant Professor in the Veterinary College; J. H. Bruckner, Assistant Professor of Poultry Husbandry and Assistant Poultry Husbandman in the Experiment Station; Colin Carmichael, Assistant Professor of Machine Design; W. D. Crosier, Associate in Research in the Experiment Station; V. L. Frampton, Assistant Professor of Plant Pathology and Assistant Plant Pathologist in the Experiment Station; W. J. Gibbons, Assistant Professor of Medicine in the Veterinary College; F. A. Haasis, Assistant Professor of Plant Pathology and Assistant Plant Pathologist in the Experiment Station; W. J. Hamilton, Jr., Assistant Professor of Zoology and Assistant Zoologist in the Experiment Station; J. O. Jeffrey, Assistant Professor of Experimental Engineering; H. J. Loberg, Assistant Professor of Administrative Engineering; R. O. Magie, Associate in Research in the Experiment Station; P. E. Mosely, Assistant Professor of History; J. R. Moynihan, Assistant Professor of Electrical Engineering; H. A. Myers, Assistant Professor of English; C. E. Palm, Assistant Professor of Entomology and Assistant Entomologist in the Experiment Station; D. H. Palmiter, Associate in Research in the Experiment Station; Catherine Personius, Assistant Professor of Home Economics; C. I. Sayles, Assistant Professor of Institution Engineering; R. M. Smock, Assistant Professor of Pomology and Assistant Pomologist in the Experiment Station.

The following appointments or promotions have been made in the Extension Staff of the State Colleges of Agriculture and Home Economics:

J. A. Cope, Extension Professor of Forestry; Dorothy DeLany, Professor in Extension Service and Assistant State Leader Junior Extension; Albert Hoefer, Professor in Extension Service and Assistant State Leader Junior Extension; F. B. Morris, Professor in Extension Service and Assistant County Agent Leader; G. E. Peabody, Professor of Extension Teaching; G. J. Raleigh, Extension Professor of Vegetable Crops; Mrs. Gladys Butt, Extension Assistant Professor of Home Economics; G. W. Hedlund, Extension Assistant Professor of Farm Finance; R. W. Leiby, Extension Assistant Professor of Entomology; E. Y. Smith, Extension Assistant Professor of Poultry Husbandry.

In the Medical College in New York the following have been appointed or promoted:

E. L. Keyes, Professor of Clinical Surgery, Emeritus.

J. F. Nonidez, Professor of Anatomy; W. G. Smillie, Professor of

Public Health and Preventive Medicine; A. R. Stevens, Professor of Clinical Surgery; R. G. Douglas, Associate Professor of Obstetrics and Gynecology; Louis Hausman, Associate Professor of Clinical Neurology; W. F. MacFee, Associate Professor of Clinical Surgery; G. N. Papanicolaou, Associate Professor of Anatomy; A. F. Anderson, Assistant Professor of Clinical Pediatrics; N. W. Cornell, Assistant Professor of Clinical Surgery; C. F. Jacobsen, Assistant Professor of Psychology; A. T. Milhorat, Assistant Professor of Medicine; C. L. Yntema, Assistant Professor of Anatomy.

The Messenger Lectures on the Evolution of Civilization will be delivered during the academic year 1937-38 by Professor Edward J. Dent of Cambridge University, England.

The George Fisher Baker Non-Resident Lecturer in Chemistry for the first term of the academic year 1937-38 will be Professor Linus C. Pauling of the California Institute of Technology.

Hugh E. Weatherlow was appointed Superintendent of Buildings and Grounds to succeed Conant Van Blarcom, resigned.

The following have presented their resignations or have retired from active service:

A. R. Mann, Provost; C. K. Burdick, as Dean of the College of Law; P. M. Lincoln, as Director of the School of Electrical Engineering; E. P. Andrews, Professor of Archaeology; W. D. Bancroft, Professor of Chemistry; Frederick Bedell, Professor of Physics; D. B. Carrick, Professor of Pomology and Pomologist in the Experiment Station; T. L. Lyon, Professor of Agronomy; E. H. Wood, Professor of Mechanics of Engineering; Philip Armstrong, Assistant Professor of Anatomy at the Medical College in New York; E. A. J. Johnson, Assistant Professor of Economics; J. G. Kirkwood, Assistant Professor of Chemistry; Carl Olson, Jr., Research Assistant Professor of Poultry Diseases in the Veterinary College; A. L. Shuck, Associate in Research in the Experiment Station; K. D. Wood, Assistant Professor in Mechanics.

THE STUDENTS

The official enrollment of students for the year ending June 30, 1937, was 6341 as compared with 6019 for the previous year. During the year 1380 degrees were conferred.

The composition of the student body offers no significant change from preceding years. The applications for admission by desirable graduates of high and preparatory schools show an encouraging increase and the problem is more and more one of selection. Very important in the matter of admissions is the continuing cooperation of the alumni in stimulating an interest in Cornell in outstanding students in their respective communities. This interest is reflected in the remarkable success of Cornell Day, which has now become an established feature of the academic year. Especial note should be made in this connection of the valuable assistance afforded by the John McMullen Fund. As the report of the Treasurer shows, this

fund, which is devoted to scholarships in Engineering, is growing rapidly and has been of very great aid not only to needy engineering students in residence but also, through the McMullen Regional Scholarships, in attracting highly desirable candidates for admission, particularly from the South and the Middle and Far West. The University owes much to this welcome addition to its endowment.

The attitude of the student body has been very satisfactory during the year and the campus atmosphere has been generally wholesome.

By action of the undergraduates the Student Council has been reorganized in certain respects in an effort to make it more representative and consequently more effective. I am glad to report the most complete cooperation of the Council with the Administration of the University in all matters that have been presented to it.

PHYSICAL PLANT

The new wing on the Library which was authorized by the Board more than a year ago has been completed and has brought a temporary relief from congestion, which is greatly appreciated. There remains the pressing immediate need for additional funds for Library administration and the purchase and care of books, and serious consideration should be given to the future housing of the Library in modern and adequate quarters.

The new Laboratory for the College of Veterinary Medicine which is being provided by the State is approaching completion and will meet a demand of long standing.

The Committee appointed by the Board to survey the needs of the University will doubtless report at an early date and outline the most serious lacks in the physical equipment.

GENERAL

The accompanying reports from the Deans and Directors of the several Colleges and Divisions sketch the important recent developments in the academic life of the University. I commend them to the Board for close attention.

I have stated repeatedly in these reports that, in my opinion, the most pressing problem before the Trustees has been the need for an adequate retirement allowance system for the officers of the University. It is with profound satisfaction that I record the recent action of the Board in establishing a system of pensions on contributory lines. The plan adopted, while admittedly as yet inadequate in its allowances, especially for the older members of the present staff, is a long step forward and has been received with great appreciation by the faculty and those officers who will benefit from its provisions.

Note should be made of the recent action of the Board in deciding that after the close of the next academic year no students shall be

admitted to the first year of the Medical College at Ithaca. This step has long been under consideration and is undoubtedly in the direction of approved organization. The departments now included in the Ithaca Division of the Medical College will be retained, since the subjects taught are all necessary to other colleges of the University and they will continue to be important centers of research.

I cannot close this my last report as President without expressing deep appreciation of the privilege that has been mine in being permitted to serve Cornell University during the past sixteen years, and of the constant cooperation, support, and consideration that I have received from this Board. When I came to the University in 1921, I found an institution that had been established and maintained on sound and progressive principles and with a widely recognized standing and prestige. The problems of the Trustees and Administration were not those of reorganization but of development. This meant that the chief considerations were financial, since needed expansion and obvious demands could only be met with increased resources. Up to the year 1929 steady progress was made in that regard. Since that time drastic retrenchment has been imperative and the University is to be congratulated on the skill, wisdom, and firmness with which the Finance Committee of the Board has met its difficult responsibilities. The last seven years have offered perplexing and sometimes insoluble problems, but I think it is fair to say that, while painful economies had to be made and pressing and appealing requests had to be denied, the academic standard of Cornell has not been lowered and its vigor has not been impaired. In this connection I wish to pay especial tribute to the Faculty of the University, who were those chiefly affected by the economic stringency. They accepted cheerfully the unavoidable restrictions and with no lessening of loyalty and energy. While the economic outlook may be puzzling and uncertain, the devotion of the Faculty is assured.

There is a natural temptation to review the outstanding events in the life of the University during these sixteen years but this has already been done elsewhere. I cannot refrain from mentioning and emphasizing what is to me the most important and significant aspect of the Cornell tradition and life and one which I earnestly trust will always be maintained. I refer to the delegation by the Trustees to the Faculty of responsibility for educational policies and academic procedure and, connected with it, the maintenance of that freedom of opinion, speech, and teaching which has always characterized this University. Very seldom abused, I believe it is this factor which more than any other accounts for the vigorous and loyal atmosphere, not only on the campus but to a notable degree in the great body of alumni who have come under its influence. I emphasize it because in the confused world of the present it is being widely attacked and too often abolished, and because without it no progress, economic, social or academic, is possible.

I lay down my office with grateful appreciation of the friendship and support that have been given to me by the Trustees, Faculty, Students, and Alumni. I rejoice in the selection of my successor and welcome him to a great responsibility and to an inspiring opportunity.

Respectfully submitted,

LIVINGSTON FARRAND,

President.

SUMMARY OF FINANCIAL OPERATIONS

To the President of Cornell University:

The fiscal year July 1, 1936 to June 30, 1937 has witnessed an unusually large number of changes in the higher administrative personnel of the University. In November, 1936, the Superintendent of Buildings and Grounds, Mr. Conant VanBlarcom, resigned after having served effectively in that capacity since July 1, 1931. With his ever bubbling energy he rapidly improved both the internal and external appearance of our numerous buildings, and also developed the campus grounds, roads, walks and paths in a most noticeable and pleasing manner. He was succeeded by Mr. Hugh E. Weatherlow, '06, who came to the University with a wide experience as a construction engineer, and who is rapidly working into the numerous functions of that important office.

In December, 1936, the University Comptroller, Mr. Charles D. Bostwick, suffered a severe nervous and physical breakdown which has so far deprived the business management of the cumulative benefit of his thirty-eight years of experience in University administration as Legal Assistant, Treasurer, and since 1919 as Comptroller. The excellence of his judgment, his wise counsel, and his kindly consideration, are sadly missed. We all fervently hope he may soon be on the way to a complete and speedy recovery.

At commencement in June, 1937, President Farrand retired under the age limit, and Provost Mann resigned. It is not within the province of the business officers to appraise the great educational leadership both of these gentlemen gave to the University, and to its faculties; but the writer does want to record their ever cordial and helpful relationships, and especially their friendly advice and guidance in the many and often complex problems that faced the administrative departments in a series of trying years. From our new President, Mr. Day, we are confident that we will receive the same helpful advice and guidance.

On June 30, Mr. L. N. Simmons, Legal Assistant to the Comptroller, and Assistant Secretary of the Board of Trustees, resigned to return to the practice of Law. During the fifteen years he had been in the business offices his services very satisfactorily covered a wide range of activities, and naturally his departure was regretted. Mr. James E. Matthews, '17, has been appointed his successor.

Financially speaking, fiscal 1936-37 showed some improvement over its immediate predecessors. The average return on our pooled investments increased from 4.087% to 4.7468%. While the expenses of the endowed colleges at Ithaca were not fully covered by cash income because of additional budgetary appropriations made during the year and aggregating \$127,299.73 (including \$63,000 for the

Library addition), nevertheless certain year end adjustments and lapses did result in reducing the accumulated operating deficit from \$667,022.90 on July 1, 1936 to \$624,531.51 as of June 30, 1937; and the application of certain deferred income to the accumulated "Purchase and Construction Account" deficit resulted in a reduction of that total from \$1,189,340.05 on July 1, 1936 to \$1,116,905.47 as of June 30, 1937. The total deficit reductions during the year aggregated \$114,925.97.

The operations of our endowment investments under the direction of the Finance Committee and its capable chairman, in addition to increasing our average rate of investment return nearly $\frac{3}{4}$ of 1%, resulted in taking out cash profits of \$675,809.22, and realized losses, etc. of \$144,348.23, leaving a net balance for the year of \$531,460.99. A portion of this was transferred to our "Income Stabilization Account," now amounting to \$317,066.76, available for future pooled endowment income whenever that shall fall below the budgeted figures. The balance was added to our Insurance Reserve Account, now totaling \$512,971.30. The market values of the investments passed our book values last February, although at June 30 the decline in price in the intervening period left a shortage of \$2,148,417.56, which on some \$32,829,779.13 of investments equaled approximately 6.5%, as compared with a shortage of \$1,622,199.66 on \$31,078,350.21 of investments on June 30, 1936, or approximately 5.2%. If, however, we deduct from the 1936-37 shortage the amounts added to the Insurance Reserve Account and the Income Stabilization Account that were taken from realized cash profits on security sales during the year and which are available and may be properly used to offset security shrinkages, the percentage of market below book values is only 4.5%, as compared with a shrinkage for the previous year, figured on a similar basis, of 4.6%. However, with the prices of stocks and bonds fluctuating over as wide a range as they have been during the past few months, these figures mean very little; the important fact is that the average rate of return on our investments was substantially bettered during the year, as mentioned in the previous paragraph.

The operations of our Medical College in New York City resulted in a surplus of \$19,669.60 for the year, which added to the surplus accumulations of previous years, gives a nest egg of \$64,634.07 available for emergencies and general purposes. The credit for this is due largely to Dean W. S. Ladd and Business Manager E. K. Taylor.

The operations of the State Colleges of Agriculture, Home Economics, Veterinary Medicine, and the Agricultural Experiment Station, practically entirely supported by grants from the State of New York and the United States Government, all showed small credit balances for the year.

Especially noteworthy is the total of bequests, gifts and donations received during the year that passed through the Treasurer's

books, to wit: \$1,473,870.21. This compares with \$781,486.64 for the previous year, an increase of about 88%.

Respectfully submitted,
GEORGE F. ROGALSKY,
Deputy Comptroller.

Note: The complete report of the Comptroller and the Treasurer, bearing the certificate of audit of Messrs. Scovell, Wellington & Co., Accountants-Engineers, 10 East 40th Street, New York City, together with the reports of the Superintendent of Buildings and Grounds, the Manager of Purchases, and the Manager of Residential Halls, will be forwarded to the members of the Faculty and Alumni upon receipt of specific request addressed to the Comptroller of Cornell University, Ithaca, New York.

APPENDIX I

REPORT OF THE DEAN OF THE UNIVERSITY FACULTY

To the President of the University:

SIR: I have the honor to report for the University Faculty for the year 1936-37.

THE FACULTY MEMBERSHIP

The number of persons holding membership in the Faculty during any part of the year (instructors and assistants are not included) was 598, including 448 in the faculty at Ithaca, 128 in the Medical College in New York City, 20 at the Agricultural Experiment Station at Geneva, N. Y., and 2 at the Agricultural Experiment Station on Long Island. Included are 29 Emeritus Professors at Ithaca, 9 in the Medical College, and 1 at the Geneva Experiment Station.

During the year three members retired from active service, Eugene Plumb Andrews, as Professor of Archaeology, on November 9, 1936; Thomas Lyttleton Lyon, as Professor of Soil Technology and Soil Technologist in the Experiment Station, on June 30, 1937; and Dr. E. L. Keyes, as Professor of Clinical Surgery on June 30, 1937. By action of the Board of Trustees these three men were transferred to the status of emeritus professors.

President Livingston Farrand retired from office on June 30, 1937, having served from 1921; he was elected President Emeritus by the Board of Trustees.

Six members of the Faculty died during the year: Emeritus Professor Charles Henry Hull, on July 15, 1936; Emeritus Professor Henry Hiram Wing, on November 21, 1936; Emeritus Professor Louis Munroe Dennis, on December 9, 1936; Dr. Stanley R. Benedict, on December 22, 1936; Professor Cyrus Richard Crosby, on January 11, 1937; and Emeritus Professor George R. McDermott, on May 26, 1937.

ELECTIONS AND APPOINTMENTS

At the October meeting the Group of Letters elected Professor M. L. W. Laistner and the Group of Science re-elected Professor C. C. Murdock as members of the Library Council for a term of two years beginning November 1, 1936. The Group of Letters at the same time re-elected Professor R. M. Ogden to the Heckscher Research Council for a term of four years beginning November 1, 1936.

Professor J. E. Butterworth was appointed to succeed himself as a member of the Administrative Board of the University Summer Session for the four-year period beginning November 1, 1936.

The President appointed Professor R. C. Gibbs as chairman of the Committee on University Policy and Professor J. N. Tilton, jr. as chairman of the Committee on Student Conduct during the absence of the Dean in the second term of the year.

THE ALUMNI INSTITUTE

The Faculty has voted not to hold the Alumni Institute in 1937. The plan proposed by the Alumni Corporation and endorsed by the Faculty called for a session of two or three days in which alumni would be given the opportunity of entering into discussions, under the leadership of members of the University staff, on matters of general public interest or on the newer developments in special fields. The institutes held in 1935 and 1936 immediately following Commencement seemed to evoke the enthusiastic approval of those in attendance but the number of alumni present was in each case small. The action taken by the Faculty leaves

the possibility that the plan may later be revived with such changes as may insure a wider response.

DEGREES IN ENGINEERING

On recommendation by the Faculty of Engineering the University Faculty approved the policy of conferring upon graduates of the curricula of the College of Engineering the degrees Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, and Bachelor of Electrical Engineering instead of the more strictly professional degrees heretofore given. This brings our practice into line with that of the great majority of engineering colleges. Especially in view of the fact that membership of the engineering societies is likely to be restricted to those who hold such professional degrees as Civil Engineer, Mechanical Engineer, and Electrical Engineer it was provided that these degrees may still be conferred but only after a period of professional experience on the part of the applicant, and upon the completion of other requirements to be determined by the Faculty of Engineering. This change was adopted by the Board of Trustees and the new baccalaureate degrees will be conferred from now on except that students already enrolled at the time the change was made may elect to take the degrees for which they were originally candidates.

The Faculty of Engineering, being authorized to prescribe the conditions under which the professional degrees (C.E., M.E., and E.E.) might hereafter be obtained, subsequently reported that awards would be made to applicants holding baccalaureate degrees in engineering conferred by Cornell University, who have had four years of professional experience, who present an acceptable thesis, and who pass an examination set by the Faculty of Engineering. Graduate work or appropriate educational service in engineering may be accepted toward the requirement of professional experience.

REGIONAL ALUMNI SCHOLARSHIPS

At the April meeting the Committee on University Policy presented a report dealing with questions arising in the acceptance and administration of scholarships which are limited in their application as, for example, those that must be awarded preferentially to residents of a certain area, to descendants of donors or other specified persons, or to those who are likely to contribute to some aspect of the student life, such as athletics. The report maintained that the University must, in considering the acceptance of such limited scholarships, weigh their probable total effect. Further, it was pointed out that while, in the award of scholarships, consideration may properly be given to all aspects of student life and development to which the applicants for aid may contribute, the institution must itself maintain the proper balance in these considerations and the Faculty should therefore be fully responsible for the awards. The specific recommendation of the report, that the Faculty declare its conviction that "no scholarships shall be offered which are not open to non-athletes and athletes alike" was adopted.

THE RETIREMENT OF THE PRESIDENT

The retirement of President Livingston Farrand was marked by several occasions in which the University community voiced its regret, its appreciation, and its good wishes to Dr. and Mrs. Farrand. At the June meeting the University Faculty presented the President with a volume containing an illuminated text of the following address signed by over four hundred members:
"President Livingston Farrand:

As members of the University Faculty we take this occasion to express our appreciation of the happy relationship which has existed between President and Faculty during your term of office. It is not our intention to comment upon the manifold achievements of your Presidency or to attempt in any way to estimate your great service to Cornell University. We do wish to dwell upon that warm fellow feeling which has characterized your daily associations with members of the

Faculty and to express our sense of profound regret as we realize that the time has come when you may justly claim a well earned leisure and retire to the comfort, happiness, and honor which we know will be yours.

Few there are among us who have not upon some occasion sought your advice or practical assistance. We have always left your office with gratitude for the helpfulness and sympathy which you have invariably manifested and for the unfailing interest and zeal with which you have sought a solution of the problems we have so often and so unavoidably thrust upon you. As the presiding officer of this Faculty you have brought to us a wise and inspiring leadership. Coming to the headship of the University in the full maturity of your mind and with rich experience in education and in public affairs you have not thought it necessary to seek innovation for the sake of innovation. You have on the other hand missed no opportunity to reaffirm those fundamental principles of education which as members of the Faculty we treasure most highly. During your Presidency there has been in this University no question involving freedom of speech, no question as to the authority of the Faculty in strictly educational matters, no question as to academic security. The years of your Presidency have been free from factional strife. We have enjoyed the academic peace which must prevail in an educational institution if it is to be worthy of the name.

While making due acknowledgment of these fortunate circumstances we do not lose sight of the larger aspects of your leadership. We who are here in constant residence, year after year, can appreciate the way in which you have blended the various interests of the University into one harmonious whole. You have won the confidence of the Alumni and strengthened their faith in the future of the University. We are aware also of your successful leadership in the Board of Trustees and of the cordial cooperation and friendliness which you have at all times fostered between Trustees and Faculty. We recognize your personal influence with the student body and the good feeling that has been engendered on the Campus. You have, by these successes, and by the promptness and ease with which you grasped and accepted the Cornell tradition, created a situation favorable for the work of the Faculty. This we believe to be the true test of administrative success and we are glad to record our appreciation and gratitude.

We take leave of you in your official capacity with sincere regret and we assure you of our enduring affection and interest as you enter upon the leisure you have so abundantly earned. The Faculty will cherish the memory of Cornell University's fourth President."

CORNELIUS BETTEN,
Dean of the University Faculty.

APPENDIX II

REPORT OF THE DEAN OF THE GRADUATE SCHOOL

To the President of the University:

SIR: I have the honor to present the report of the Graduate School for the year 1936-37.

ADMISSION AND ENROLLMENT

During the academic year 1936-37 we received 581 applications for admission. Of these, 183 either were not accepted or, having been accepted, did not register. Of the 398 new registrants, 117 became candidates for the Ph.D., 244 for the several masters' degrees. The remainder were non-candidates and resident doctors.

We have no record of the considerable number of prospective applicants who, after making inquiry, were advised not to apply.

The total enrollment during the year was 936, an increase of 15 per cent over 1935-36 and of 25 per cent over 1934-35. See Table I. These increases have occurred in spite of the fact that, as a result of raising standards of graduate work in several fields of study, we have declined many more applications for admission during the past two years than ever before. Of these students, 53 per cent were candidates for the doctorate; 40 per cent for the several master's degrees; and the remainder were non-candidates.

Table IV shows the way in which these increases have been spread over the several groups of subjects. It is gratifying to note the continued, even increasing, interest in graduate work in the humanities (Groups A and B of Table IV). In 1916-17 approximately 20 per cent of our graduate students were working in Groups A and B. In 1936-37 that proportion has risen to 30 per cent, not counting Group I, Education, which in 1916-17 was included in Group B.

Some 28 per cent of the graduate students enrolled during the year had first degrees from Cornell. The remainder came from 254 different institutions in this country and abroad. Every state in the Union is represented; as are also the Territory of Hawaii, Puerto Rico and the Philippines. There were 119 foreign students from 23 different countries, with Canada and China contributing the largest numbers—30 and 49 respectively.

Partly because of the depression, partly because of our raising standards for admission, the enrollment dropped from 1139 in 1931-32 to 753 in 1934-35. With the enrollment again approaching 1000 we shall soon have to consider what additional steps we should take to avoid overtaxing our facilities and thereby lowering the quality of graduate instruction. It is to be hoped that adequate limitation can be effected by further raising standards, rather than by setting any fixed upper limit to enrollment.

REQUIREMENTS IN FOREIGN LANGUAGES

During the year the Faculty passed important legislation revising the requirements in Foreign languages.

A reading knowledge of French and German has been almost traditionally required of candidates for the Ph.D. Very infrequently the Faculty has allowed substitution of another language for one of these.

In recent years the study of foreign language has received less and less attention in both High Schools and Colleges, particularly in the middle west. As a result an increasing number of applicants for admission to the Graduate School have had either no foreign language at all or at most two entrance units of one language. Some of these applicants have excellent scholastic records; and, except for the shortage in foreign language, are adequately prepared for graduate work and research. Nevertheless the Faculty has wisely refused to lower the requirements in foreign language as a part of the preparation for graduate work, in whatever field, except for the degrees M.S. in Ed., M.S. in Agr., and LL.M.

A year ago the General Committee, jointly with a special committee of the Language Examination Board, began a study of this whole problem; and ultimately made to the Faculty recommendations which were adopted. Two important changes are included in the new legislation.

First, while retaining the provision that a reading knowledge of French and German is normally expected of each candidate for the Ph.D., he may, with the approval of his special committee, present a reading knowledge of "two languages other than English," provided the language substituted for French or German "shall be significantly useful in the candidate's field of work and not chosen solely with reference to the preparation of the thesis." For example, in American History Spanish is likely to be more useful than German. In some phases of plant sciences Russian is becoming increasingly important. It is not the intention of the Faculty to allow a student whose native language is other than English, to sub-

stitute that language for French or German, unless that language is "significantly useful" in the candidate's general field of study.

Second, a candidate for the Ph.D. is expected to satisfy the requirements in foreign language upon beginning his candidacy at Cornell. At least one of the language examinations must be passed at this time; otherwise a minimum of seven terms of residence is required of the candidate.

It is my opinion that these changes maintain our standards, even raise them somewhat, but make it possible to administer our requirements more liberally. There are very many members of our Faculty who deprecate the decline of foreign-language teaching in our schools and colleges. It is unnecessary here to review the arguments pro and con. Suffice it to say that the opinion has been frequently expressed in meetings of the Faculty, that a reading knowledge of foreign languages is much more than a tool for advanced study and research. It forms part of the general background, both cultural and disciplinary, which any holder of the Ph.D. should have as a basis for work in his special field. If graduate schools believe that the study of foreign languages is an essential prerequisite to graduate work, they should stoutly maintain their standards in the face of increasing demands that students who have had no training in foreign languages be admitted to candidacy for the higher degrees.

RESEARCH BY THE FACULTY

From time to time I have pointed out in these reports, that the *sine qua non* of high-grade graduate work is research carried on by the members of the Faculty. No erudite statistical analysis is necessary to show that graduate work is strongest in those departments and fields where vigorous, active research programs are under way. These subjects cannot—or at least should not!—be assigned "out of a book." They should come out of the experience of the Faculty. That same experience is essential to the direction of graduate-student research. The surest way—indeed, about the only way—to raise the level of our graduate offerings, is to increase support of research. For by so doing not only will we increase the effectiveness of our present Faculty; but we will make it possible to attract to positions on our staff capable young men who now find superior research facilities elsewhere.

The Graduate School has long since ceased to be merely an appendage to our American university system, more or less gratuitously conducted by professors. The enrollment of graduate students in the United States today approximates the total enrollment of all students in all institutions of collegiate rank at the beginning of the century. Further, the ratio of graduate students to total enrollment has been steadily increasing, particularly during the past 25 years. The relative importance of graduate work in the university program has increased faster than the enrollment. These increases are likely to continue for many years to come. If we at Cornell are to maintain our present position among the leading graduate schools of the country, we must be prepared to provide increasing support for graduate work and faculty research. And in any program which we develop, quality not quantity should be our main concern.

F. K. RICHTMYER,
Dean of the Graduate School.

PRESIDENT'S REPORT

TABLE I

STATISTICS OF ATTENDANCE OF GRADUATE STUDENTS

a. TOTAL ENROLLMENT

	1936-37	1935-36	1934-35	1933-34	1932-33
Number of students registered during the academic year.....	936	816	753	791	1044
Number of students registered during the summer, as below.....	802	736	625	599	718
Summer Session.....	634	571	491	453	559
Personal Direction.....	168	165	134	146	159

b. COMPARATIVE ENROLLMENT OF
GRADUATE STUDENTS FOR FIVE-YEAR PERIODS

1906-07 239	1911-12 383	1916-17 468	1921-22 614	1926-27 685	1931-32 1139	1936-37 936
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c. NEW GRADUATE STUDENTS DURING THE ACADEMIC YEAR 1936-37

Ph.D. degrees.....	117
A.M. and M.S. degrees.....	174
Professional Master's degrees.....	70
Resident Doctors.....	3
Non-candidates.....	30
Withdrawals after registration.....	4
Total.....	398

TABLE II

GRADUATE STUDENTS RECEIVING DEGREES, CLASSIFIED ACCORDING TO THE
DEGREE RECEIVED

	1936-37	1935-36	1934-35	1933-34	1932-33
Master's Degrees.....					
Masters of Arts.....	74	72	48	65	96
Masters of Arts in Education.....	18	10	10	5	15
Masters of Science.....	82	70	49	55	65
Masters of Science in Education..	24	13	5	9	8
Masters of Science in Agriculture..	10	13	9	6	8
Masters of Science in Engineering	10	7	7	0	0
Masters of Forestry.....	3	1	1	3	5
Masters of Law.....	0	1	0	0	0
Masters of Chemistry.....	3	3	0	3	3
Masters of Architecture.....	0	3	1	0	1
Masters of Fine Arts.....	1	1	0	0	1
Masters of Landscape Architecture	0	0	0	0	1
Masters of Civil Engineering....	16	16	11	7	11
Masters of Electrical Engineering	2	0	0	7	4
Masters of Mechanical Engineering	2	3	2	4	12
Total Master's Degrees.....	245	213	142	264	230
Doctors of Philosophy.....	124	124	136	135	149
Doctors of the Science of Law.....	1	0	0	4	2
Total.....	370	337	279	303	381

TABLE III
GRADUATE STUDENTS CLASSIFIED ACCORDING TO
THE DEGREES FOR WHICH THEY ARE CANDIDATES

	<i>Academic Year</i> 1936-37	<i>Summer</i> 1936
Doctors of Philosophy.....	493	175
Doctors of the Science of Law.....	2	1
Master's Degrees, as below.....		
Masters of Arts.....	116	174
Masters of Arts in Education.....	1	37
Masters of Science.....	153	112
Masters of Science in Education.....	13	208
Masters of Science in Agriculture.....	25	14
Masters of Science in Engineering.....	23	9
Masters of Forestry.....	6	3
Masters of Law.....	0	0
Masters of Chemistry.....	5	2
Masters of Architecture.....	0	1
Masters of Fine Arts.....	3	0
Masters of Landscape Architecture.....	0	1
Masters of Civil Engineering.....	28	9
Masters of Electrical Engineering.....	3	0
Masters of Mechanical Engineering.....	5	3
Non-candidates:		
Resident Doctors.....	14	7
Non-candidates.....	42	26
Others (withdrawals, duplicates, etc.).....	4	20
Total.....	936	802

TABLE IV
GRADUATE STUDENTS CLASSIFIED ACCORDING TO THE GROUP
IN WHICH THE MAJOR SUBJECT FALLS

	1936-37	1935-36	1934-35	1933-34	1932-33
Group A, Languages and Literatures	108	109	97	110	119
Group B, History, Philosophy and Political Science.....	172	153	148	161	186
Group C, Physical Sciences.....	139	135	145	143	227
Group D, Biological Sciences.....	224	196	190	213	263
Group E, Engineering, Architecture	80	64	71	39	99
Group F, Science Departments, New York City.....	8	10	12	11	7
Group G, Agricultural Sciences.....	113	96	54	61	78
Group H, Law.....	2	4	1	3	6
Group I, Education.....	71	49	35	50	59

TABLE V

INSTITUTIONS FROM WHICH GRADUATE STUDENTS RECEIVED THEIR
FIRST DEGREE

Adelphi College.....	1	Connecticut State College.....	7
Alabama Polytechnic Institute....	1	Copenhagen Royal Veterinary and	
Alabama, University of.....	2	Agricultural College.....	1
Alberta, University of.....	3	Cornell College.....	2
Albion College.....	1	Cornell University.....	261
Albright College.....	1	Dartmouth College.....	9
Alcorn College.....	1	Davidson College.....	4
Alfred University.....	4	Dayton, University of.....	1
Allegheny College.....	3	Denison University.....	2
Alma College.....	1	Denver, University of.....	1
Amherst College.....	1	De Pauw University.....	6
Arizona, University of.....	1	E. A. Luiz de Queiroz.....	1
Arkansas, University of.....	3	Eidsvoll Gymnas.....	1
Asbury College.....	2	Elmira College.....	3
Barnard College.....	1	Escola Superior de Agricultura,	
Berlin Agricultural College.....	1	Brazil.....	1
Berlin-Dahlem.....	1	Florida State College.....	1
Berlin Tech.....	1	Florida, University of.....	2
Berlin, University of.....	1	Freda, Superior School of Horticul-	
Bethany College.....	1	ture and Greenculture at.....	1
Bloomsburg Teachers College.....	1	Fresno State College.....	1
Bogota Medical School.....	1	Fuh-Ten University.....	1
Bonn, University of.....	1	Furman University.....	3
Bowdoin College.....	2	George Washington University....	1
Bridgewater College.....	1	Georgetown College.....	1
Brigham Young University.....	1	Georgia Tech.....	1
British Columbia, University of...	1	Georgia, University of.....	1
Brooklyn College.....	2	Gettysburg College.....	1
Brown University.....	4	Goucher College.....	4
Bucknell University.....	7	Grinnell College.....	1
Buffalo State Teachers College....	3	Hamburg University.....	1
Buffalo, University of.....	3	Hamilton College.....	7
Butler University.....	2	Harvard University.....	3
California, University of.....	14	Haverford College.....	1
Campbell College.....	1	Hawaii, University of.....	1
Carleton College.....	1	Hiram College.....	5
Carnegie Institute of Technology..	1	Hobart College.....	4
Central State Teachers College....	1	Hopei Institute of Technology....	1
Central University.....	1	Houghton College.....	4
Chekiang University.....	2	Howard University.....	3
Chiao Tung University.....	8	Hunan University.....	2
Chicago, University of.....	4	Hunter College.....	5
China, National Central University		Idaho, University of.....	3
of.....	1	Illinois, University of.....	9
Cincinnati, University of.....	1	Illinois Wesleyan.....	1
Citadel, The.....	1	Imperial College of Science and	
Clarkson College of Technology....	1	Technology.....	1
Clemson Agricultural College.....	6	Indiana Central University.....	1
Coe College.....	1	Indiana University.....	3
Colgate University.....	7	Iowa State College.....	11
Colombia Veterinary College.....	1	Iowa State University.....	2
Colorado College.....	1	Ithaca College.....	2
Colorado State College.....	3	Johns Hopkins University.....	3
Columbia University.....	6	Juniata College.....	1

Kalamazoo College.....	2	North Carolina Agricultural and Technical College.....	1
Kansas State Agricultural College.....	4	North Carolina State.....	2
Kansas, University of.....	3	North Carolina, University of.....	2
Kansas Wesleyan.....	1	North Carolina, Woman's College of the University of.....	1
Kentucky State College.....	1	North-Eastern University.....	1
Kentucky, University of.....	5	Northwestern University.....	2
Kyoto, Imperial University of.....	1	Oberlin College.....	4
Lafayette College.....	2	Ohio State University.....	5
Lane College.....	1	Ohio, University of.....	2
Laval University.....	4	Ohio Wesleyan University.....	4
Lewis Institute.....	1	Oklahoma A. and M. College.....	1
Lincoln University.....	1	Oklahoma University.....	1
Linfield College.....	1	Oregon State College.....	3
Livingstone College.....	1	Otterbein College.....	1
London University.....	1	Peiyang University.....	3
Long Island University.....	2	Pennsylvania State College.....	13
Louisiana State University.....	5	Pennsylvania, University of.....	1
Louisville, University of.....	1	Philadelphia College of Pharmacy and Science.....	1
McGill University.....	2	Philippines, University of the.....	2
McMaster University.....	1	Pittsburgh, University of.....	4
MacPhail Conservatory of Music.....	1	Pomona College.....	2
Maine, University of.....	10	Princeton University.....	2
Manitoba, University of.....	2	Puerto Rico, Agricultural and Mechanical College.....	1
Marquette University.....	1	Puerto Rico, University of.....	2
Maryland, University of.....	2	Puget Sound, College of.....	1
Massachusetts State College.....	7	Punjab University.....	1
Massachusetts Institute of Technology.....	4	Purdue University.....	8
Miami University.....	2	Queens University.....	3
Michigan State College.....	5	Randolph-Macon Woman's College.....	1
Michigan State Normal College.....	1	Redlands University.....	1
Michigan, University of.....	7	Reed Institute.....	1
Middlebury College.....	3	Rhode Island State College.....	1
Minnesota, University of.....	8	Rice Institute.....	1
Mississippi State.....	3	Richmond, University of.....	1
Mississippi, University of.....	2	Rochester, University of.....	6
Missouri, University of.....	8	Rockford College.....	1
Montana, University of.....	3	Rollins College.....	2
Montreal, University of.....	1	Rutgers University.....	3
Morehouse College.....	1	St. John's University.....	4
Moscow, University of.....	1	St. Lawrence University.....	1
Mount Holyoke College.....	3	St. Thomas College.....	1
Muhlenberg College.....	3	San Diego State College.....	1
Nanking, University of.....	11	Saskatchewan, University of.....	1
National Central University.....	1	Shaw University.....	1
National Institute of Agriculture—Colombia.....	2	Simmons College.....	2
Nebraska, University of.....	13	Slippery Rock State Teachers College.....	5
Nebraska Wesleyan University.....	1	J. C. Smith College.....	1
Nevada, University of.....	2	Smith College.....	3
New Brunswick, University of.....	1	Sofia University.....	2
New Hampshire, University of.....	7	Soochow University.....	3
New Jersey College for Women.....	1	South Africa, University of.....	1
New Mexico, University of.....	1	South Carolina, University of.....	1
New York, College of the City of.....	6	South Carolina State College.....	2
New York State College for Teachers.....	4		
New York University.....	1		

South Dakota State College.	1	Virginia Polytechnic Institute.	3
S. E. State Teachers College (Okla- homa).	1	Virginia State College.	3
Stanford University.	4	Virginia Union University.	1
Stellenbosh University.	4	Virginia, University of.	1
Sweet Briar College.	1	Wabash College.	1
Syracuse University.	8	Warsaw Agricultural College.	2
Tangshan University.	2	Washington and Lee.	1
Tarkio College.	1	Washington State College.	2
Tennessee, University of.	4	Washington University.	3
Texas A. and M. College.	6	Washington, University of.	2
Texas Tech.	2	Waynesburg College.	1
Texas, University of.	1	Wellesley College.	1
Tientsin Institute.	1	Wesleyan University.	5
Toronto, University of.	6	West Virginia, University of.	1
Tsing-hua University.	3	Western Ontario, University of.	3
Tufts College.	1	Westminster College.	1
Union College.	6	Whitman College.	1
Union University.	1	Wheaton College.	1
United States Military Academy.	9	Whittier College.	1
Ursinus College.	1	Wiley College.	2
Utah State Agricultural College.	6	Williams College.	4
Vassar College.	2	William and Mary College.	1
Venezuela, Expert Chemist School.	1	Wilson College.	1
Vermont, University of.	3	Wisconsin, University of.	7
Virginia Military Institute.	1	Yale University.	4
		Yenching University.	1

TABLE VI

GEOGRAPHICAL DISTRIBUTION OF GRADUATE STUDENTS

Alabama.	2	New Jersey.	20
Arizona.	2	New Mexico.	1
Arkansas.	5	New York.	366
California.	24	North Carolina.	8
Colorado.	8	North Dakota.	1
Connecticut.	21	Ohio.	20
Delaware.	1	Oklahoma.	5
District of Columbia.	14	Oregon.	1
Florida.	3	Pennsylvania.	52
Georgia.	2	Rhode Island.	3
Idaho.	4	South Carolina.	13
Illinois.	16	South Dakota.	3
Indiana.	21	Tennessee.	6
Iowa.	9	Texas.	17
Kansas.	4	Utah.	7
Kentucky.	10	Vermont.	5
Louisiana.	5	Virginia.	19
Maine.	9	Washington.	7
Maryland.	11	West Virginia.	1
Massachusetts.	17	Wisconsin.	5
Michigan.	12	Wyoming.	2
Minnesota.	7		
Mississippi.	6	<i>United States Possessions</i>	
Missouri.	7	Hawaii.	3
Montana.	7	Philippine Islands.	1
Nebraska.	10	Puerto Rico.	5
Nevada.	2	Total Number of Students from	
New Hampshire.	7	United States.	817

Afghanistan	1	Iraq	1
Brazil	2	Italy	1
Bulgaria	2	Japan	2
Burma	1	Lithuania	1
Canada	30	Poland	2
China	49	Siam	1
Colombia	4	South Africa	6
Denmark	1	Switzerland	1
England	3	Turkey	2
Germany	5	Venezuela	1
Holland	1	Total Number of Students from	
Hungary	1	Foreign Countries	116
India	1		

APPENDIX III

REPORT OF THE DEAN OF THE COLLEGE OF ARTS AND SCIENCES

To the President of the University:

SIR: I have the honor to present this report of the College of Arts and Sciences for the academic year 1936-37:

ENROLLMENT

The total enrollment for the year has increased from 1,825 in 1935-36 to 1,885. The number of students transferring from other colleges increased from 99 in the previous year to 114.

In considering the number of students enrolled in the College it should be remembered that, in addition to our own students who enroll for more than nine-tenths of their work in courses offered by the College, many of our courses are elected by large numbers of students from sister Colleges. During the past year one-third of the student hours recorded by the Registrar in courses of the College were elected by students of other Colleges. Since the student-hour unit is the most accurate index of work done, it is of interest to note that the total number of student-hours recorded in the College courses during the two terms of the past year was 75,345, as compared with 71,436 for the previous academic year. The difference, 3,909, is equivalent to an increase in the full time of approximately 130 students. In other words, if the number of students in courses offered by the College is computed in terms of student-hours, allowing an average of thirty student-hours per student, the College enrollment for the year past would be greater than 2,500. The most notable increases have been from Engineering (2,164 student-hours) and the State Colleges (1,377 student-hours).

STUDIES OF THE CLASS OF 1940

Certain studies are now in progress of the freshman group of this year's entering class. The first results concern entrance-credits. The average number of units offered by the class in the more usual subjects was as follows:

English, 3 units
 Foreign language, 5.3 units
 History, 1.92 units
 Mathematics, 3.23 units
 Science, 2.24 units

From this calculation it appears that units in excess of those prescribed for admission (three in English, three in foreign language, one in history, and three in

mathematics), are common, especially in the foreign languages and in history. Although no science is prescribed, the average credits presented exceed two years of work.

Another study concerns itself with the vocational intentions of first-year students. Over thirty-five different fields were suggested by entering students in 1936-37. When classified, they indicate twenty per cent are planning to study medicine—this being the normal proportion of pre-medical students; fourteen per cent choose business; thirteen per cent, law; ten per cent, teaching; ten per cent chemical industry; five per cent, semi-professional vocations; and three and one-half per cent, scholarship. About one-quarter of the whole number were undecided.

MAJOR WORK

A study of the distribution of electives in fields of concentration shows an increase in Economics from 20% in 1933-34, to 22.2% this year, whereas there has been a corresponding decrease in the proportion selecting major work in English for this period from 15.2% to 12%. Changes were less marked in the other fields, including Animal Biology which continues to attract approximately one-fifth of our students.

PRE-SCHEDULING AND THE REGISTRATION OF FRESHMEN

Our experience this year with a scheme for scheduling courses of freshmen in advance of entrance, has led to the adoption by the faculty of a modified scheme for the coming year.

New students will receive registration-coupons by mail, also blanks for a tentative schedule of first-term courses. The tentative program will be presented on registration day to an Advisory Committee. In addition to his schedule, the student will indicate in which of four general fields he is likely to be chiefly interested:

- a. Languages and Literatures,
- b. Philosophy and the Social Studies.
- c. The Biological Sciences.
- d. The Physical Sciences and Mathematics.

A member of the Advisory Committee representing the chosen field will supervise the completion of the student's schedule and direct his enrollment by the departments in sectioned courses. At the same time the student will be assigned to an adviser whom he may consult at once, and must consult not later than two weeks after registration. As far as possible the adviser will be selected as representing the chosen field of study. Immediately after registration the adviser will receive copies of the programs and names of the students assigned to him. He may then arrange for conferences with his advisees at any time within the two weeks' period.

It is hoped that this new plan, devised by the Advisory Board for Underclassmen, may expedite registration and prove effective in securing a more appropriate schedule of studies, and in promoting helpful and friendly means of consultation between students and their advisers.

COLLEGE-CREDIT EXAMINATIONS

College-credit examinations at mid-year were taken by a much smaller number of students than applied for them in the previous year when this privilege was first extended to students.

It also appeared that students who made undesired records in the examinations were loth to accept them. The committee in charge of these examinations has recommended, and the faculty has approved, a plan whereby the results of examinations for college-credit at entrance, or at the end of the first term, will hereafter be recorded; but the grades, both passing and failing, will no longer be computed as part of the student's regular work. In case the course in which examination is taken is a continuous year-course, the mark for the first term will be made final, and the second term's credit earned by examination will be counted in hours towards graduation, but without a grade to be computed in determining the student's average and rank in his class.

MID-TERM REPORTS

As an extension of our practice of securing the mid-term reports of students, it is now proposed to receive reports on all new students each term, including transfer students with advanced standing, and also from all students of whatever class who may be on probation. Whenever the record of any such student is below that of good standing, he will be interviewed by an officer of the College, and his case reported to the appropriate committee for review and action.

COMMITTEE ON TEACHER-TRAINING IN THE COLLEGE

A new standing committee of the faculty has been authorized to deal with the problem of teacher-training in the College. Some twelve per cent of our students, mostly women, are looking forward to teaching positions in the public secondary schools. In order to meet the requirements of certification they must satisfy some eighteen hours in courses of Education and also be equipped to teach a variety of related subjects. The normal provisions for major study do not always include the spread of training demanded, and some students fail to qualify for teaching positions because they have had no training in one or more of the subjects which they would be called upon to teach.

The Committee, under the Chairmanship of the Assistant Professor of Education, Professor Hulse, includes—Assistant Professor Anderson, representing the Social Studies; Professors Bishop and Caplan, representing the foreign languages; Assistant Professor Jones, representing Mathematics; Assistant Professor Sale, representing English; and Professor von Engeln, representing the Sciences. The Committee will appoint subcommittees in the several fields to study and make recommendations to the faculty regarding any modifications which may be desirable in course offerings or college regulations. The Committee will also make contact with prospective teachers and assist them in securing a course of study appropriate to fit them for their respective teaching positions.

DISHONESTY IN EXAMINATIONS

The ever troublesome problem of dishonesty in examinations and other written work of the College has been a subject of extensive discussion by the Committee on Conduct of Examinations in conjunction with the Committee on Educational Policy. Since the responsibility has been placed upon the faculty to assume primary jurisdiction in such matters, very few cases have been reported to the Committee for a hearing. It has been apparent that those who were heard and found guilty suffered the penalty of a formal record of misdemeanor which did not attach to those dealt with solely by the teacher.

In order to equalize the treatment of guilty students, the faculty has voted that "all instances of fraud detected by members of the instructing staff, or dealt with by them, shall be reported to the Dean's Office for action or for record."

The Committee will continue to hear cases referred to it, and will also take cognizance of those reported as having been dealt with by the faculty. It is hoped that a more appropriate check may now be kept of the fraudulent practices of students, and that means may be suggested for reducing their number.

THE TENURE OF INSTRUCTORS AND ASSISTANT PROFESSORS

This year marks the termination of the period set by the faculty in which to make the rule of five-year tenure for instructors fully effective. Since the faculty took action that no instructor might be continued in that rank for a period longer than five years unless the circumstance of reappointment was clearly exceptional, forty-nine instructors have come within the rule. Of this number, the appointments of seventeen were terminated in 1935, and sixteen in 1936. Of the remaining sixteen, exceptions have been approved for three. New positions in the University have been found for two, and three have been promoted to the rank of Assistant Professor.

The University statutes provide that the tenure of an instructor shall be for one year on first appointment, and may be extended for periods of two years on re-appointment. They also provide that the tenure of Assistant Professors shall be for a three-year term. These provisions have been in abeyance for several years, but with the approval of the Board of Trustees they may be operative again when next year's proposals are made.

A question is thus raised, to which the Committee on Educational Policy has already addressed itself, regarding the reappointment of Assistant Professors. It has been suggested that the faculty might see fit to limit the tenure of an Assistant Professor to three terms, or a total of nine years, as it has limited the tenure of instructors to three terms, or a total of five years.

I mention the matter in the hope that it may be considered by yourself and by the faculty in advance of any proposals that may emanate from the Committee on Educational Policy.

REPORTS OF DEPARTMENTS

Reports from the various departments of the College indicate a year in which progress has been made in improving the quality and methods of instruction and in promoting research. Unfortunately, the College is seriously handicapped for want of funds with which to restore salaries to a reasonable level, to provide necessary space and equipment for both teaching and research, and to improve the facilities of the University Library upon which the departments of the Arts and Sciences must rest most heavily for means of instruction and research.

While a good start has been made in filling vacancies in the staff occasioned by deaths, retirements, and resignations, the corps of young men which we have secured cannot be held at Cornell without improved facilities for work, including the possibility of speedy advancement in rank and salary. A restoration of the budget we enjoyed in 1931-32 is indispensable if we wish to maintain our present staff and provide the equipment which is sorely needed for carrying on the work of the College.

Improved facilities for both teaching and research are especially needed by the five Science departments: Astronomy, Chemistry, Geology, Physics, and Zoology. I shall seek occasion to lay before you special plans which have been drafted for the expansion and reorganization of each of these important departments.

In Mathematics we have suffered a shocking loss of older men by death and retirement. Replacements have been made by the appointment of a group of younger men of exceptional promise. We hope that funds may be available to provide for promotions and an improved scale of salaries.

The linguistic departments need strengthening, both by filling chairs now vacant or about to be vacated, and also by better salaries available for the younger men who carry the load of sectional instruction in the languages. Additional space is also needed for offices in which instructors may hold undisturbed conferences with their students.

There are a number of special needs recorded by the Department of Public Speaking, both in reference to the Speech Clinic, the oral training of prospective teachers, and for a University survey of speech defects and the means of improving such deficiencies in all our students.

Among the social studies, the Department of Government is undermanned for the constantly increasing registration of students. Economics has vacancies in its professorial ranks, and History urges the replacement of Oriental History in its list of courses.

Philosophy is at the moment well staffed, but additions to the staff are needed in both Psychology and Education.

In Music a newly arranged curriculum is calculated to meet more nearly the needs of students both in general courses and in specialized work.

Major work in the Fine Arts is gaining and our somewhat unique program is attracting attention abroad as well as at home. Eleven students followed this course during the past year.

A new freshman course will be offered, next year, in English in which students of the various Colleges will no longer be segregated. Plans are also being laid for a reorganization of the advanced courses in this department.

The first course in Chemistry will no longer be given as a six-hour unit in one term, but as a year-course of three hours a term. This improvement will greatly lessen difficulties which have hitherto existed in planning the schedules of freshman students.

A new course is being offered in Physical Principles which is open to upperclassmen without prerequisite. The course will deal with the fundamental ideas of physics, including recent developments.

The extraordinary increase in the enrollment of students in Zoology 1 to nearly 400 students has necessitated the duplication of lectures and points to the great need of more adequate laboratory and lecture-room facilities than the department now commands. There is also a pressing need for the addition of new courses in Zoology to meet the needs of students both of this and of the State Colleges.

The two new courses in French and German Civilization, conducted respectively by the Departments of Romance Languages and German, have been elected by a fair number of students, and will be continued for another year of trial.

THE STANDING COMMITTEES OF THE COLLEGE

The standing committees of the College have served faithfully and well during the past year. The membership and the retiring dates of members are as follows:

Educational Policy: F. G. Marcham (C. Becker, second term), 1937; P. M. O'Leary (P. T. Homan, second term), 1937; W. C. DeVane, 1938; J. R. Johnson, 1938; C. C. Murdock, 1939; G. H. Sabine, 1939; R. P. Sibley, R. M. Ogden, *ex officio*.

The recently elected members in succession to Professors Marcham and O'Leary are Professors F. S. Freeman and F. A. Southard.

Academic Records: H. B. Adelman, 1937; M. L. W. Laistner, 1937; H. A. Wichelns, 1937; L. N. Broughton, 1938; R. W. Church, 1938; M. S. Kendrick, 1938; J. G. Kirkwood, 1939; M. S. Livingston, 1939; M. A. Shepard, 1939; J. G. Jenkins, R. P. Sibley, R. M. Ogden, *ex officio*.

Advisory Board for Underclassmen: R. P. Agnew, 1937; H. W. Briggs, 1937, J. A. Dye, 1937; J. C. Adams, 1938; J. G. Jenkins, 1937 (Chairman); B. P. Young, 1938; C. C. Greene, 1939; J. L. Hoard, 1939; B. L. Rideout, 1939; R. P. Sibley, R. M. Ogden, *ex officio*.

Committee on Boldt and Hall Scholarships: C. M. Nevin, 1937, Chairman; V. S. Lawrence, 1938; G. I. Dale, 1939; R. P. Sibley, *ex officio*.

Committee on Conduct of Examinations: Alice E. Walker, 1937; J. D. Burfoot, 1937; J. W. Clarke, 1937; F. A. Southard, 1937; J. C. Weld, 1937; J. G. Jenkins, 1938; W. W. Flexner, 1938; Howard Simons, 1938; Marjorie E. Hardenburg, 1938; C. L. Rossiter, 1939; L. M. Noss, 1939; R. P. Sibley, R. M. Ogden, *ex officio*.

Committee on College-Credit Examinations: M. G. Bishop, J. P. Bretz, W. B. Carver, W. C. DeVane, H. E. Howe, R. H. Wagner, F. S. Freeman, Chairman.

R. M. OGDEN,
Dean.

APPENDIX IV

REPORT OF THE DEAN OF THE LAW SCHOOL

To the President of the University:

SIR: I have the honor to submit the following report covering the Cornell Law School for the academic year 1936-37:

Soon after the opening of the fall term, Professor Charles K. Burdick, who was appointed Professor of Law in 1914 and Dean of the Faculty of Law in 1926, unexpectedly tendered his resignation as Dean. The Board of Trustees, at its meeting on November 7, 1936, accepted the resignation to become effective December 31, 1936, and granted to Professor Burdick a sabbatic leave for the second term of the present academic year. He will return in September, 1937, to resume his teaching. At its meeting held on January 30, 1937, the Board appointed Professor Robert S. Stevens as Dean of the Faculty of Law, effective January 1, 1937.

THE LAW SCHOOL UNDER DEAN BURDICK'S ADMINISTRATION

It is gratifying to have this opportunity to give a summary review of the development of the Law School under Dean Burdick's leadership. It was while he was Acting Dean in 1923-24 that the qualifications for admission were increased from two years of college work to the requirement of a bachelor's degree or the completion of three years in the College of Arts and Sciences at Cornell. In 1930, the standards for admission were again raised by providing for the rejection of those candidates whose application papers indicated the probability of failure in the Law School. As a basis for such prediction, each applicant was required to supply letters of recommendation and a detailed history of his preparatory and college years, including a record of his scholastic and extracurricular activities and accomplishments. For a few years, while the accuracy of prediction based upon this information was being tested, the decision to exclude an applicant was reached in relatively few instances, but after experience had indicated a correlation between preliminary judgments and the subsequent scholastic records of students admitted, unpromising candidates were excluded with increasing frequency.

In 1928, the Board of Trustees provided five First Year tuition scholarships, and in 1930 this number was increased to ten. These scholarships have been annually awarded to promising students in various Colleges throughout the country. During Dean Burdick's administration, the standards for continuance in the School were increased and the Third Year Comprehensive Examination, including its oral and written portions, was introduced. The adoption of the policy behind all of these steps had the intended effect of improving the quality of student work.

Other notable advances during Dean Burdick's administration are the generous gift of Mr. Myron C. Taylor, '94, which resulted in the completion in June 1932 of the beautiful and splendid facilities of Myron Taylor Hall; the increase in the scale of Faculty salaries and enlargement of the Faculty from 7 to 11; the organization of graduate work leading to the degrees of LL.M. and J.S.D.; the provision for financial assistance for deserving students by the establishment of scholarship and loan funds; and the promotion of regional alumni placement committees. This is a record of progress of which the University should be proud.

THE IMMEDIATE NEEDS OF THE LAW SCHOOL

Having reviewed the recent history of the development of the Law School, it is appropriate to consider the steps that must be taken in order to continue its progress and, not only to maintain, but to advance its prestige.

For many years, the teaching methods used in the leading Law Schools were orthodox and static. Within the past few years, however, many law faculties have subjected their curricula and methods to a critical analysis, which has resulted in the introduction of a variety of experiments. The Faculty of the Cornell Law School has for a number of years had its Committee on Law School Policy which has made a continuous study of these problems and has from time to time

recommended changes which have been adopted by the Faculty. The Committee will continue its studies during the coming summer and present a report to the Faculty at the opening of the next academic year.

Already, the Faculty has come to the conclusion that the case method of study, invaluable as a method of training students in the art and habit of careful analysis of cases, and invaluable also as an effective method of imparting information in a broad field of study, is deficient when employed to the exclusion of other methods throughout the full three years. It was designed to induce analysis, reasoning and discussion on the part of the students. But with the increase in the size of classes, a large proportion of students may refrain from active participation in the discussion and attend as auditors of the discussions of others. Moreover, experience has shown that even for those students who actively cooperate in the discussion, the case method of study has diminishing effectiveness at least after the second year. What is imperatively needed is a method of training which will supplement analysis with original investigation and synthesis and will develop greater ability to apply acquired skill and knowledge in the solution of legal problems.

In contrast with the orthodox method of study is the training which many law schools give their better students by maintaining a legal periodical for the publication of student notes. It is unfortunate when this type of training is limited to the honor students of a school. At Cornell, we have attempted to avoid this discrimination by extending to all Third Year students an invitation to prepare at least one note with a view to publication in the Quarterly. Because the consequent burden of supervision would fall so heavily upon our small Faculty, we are not in a position to impose as a requirement that every Third Year student shall obtain this type of experience.

In adopting the oral portion of the comprehensive examination, we have required every Third Year student to undertake at least one lawyerlike task of independent study. Each student is given an actual office problem, allowed a week in which to study it, with free access to the library, required to prepare and submit to the Faculty a memorandum of law, and then to appear before a committee of the Faculty to propound and sustain his solution under questioning. Implicit in our adoption of this plan, is our belief that students are not qualified to graduate unless they demonstrate ability to do this type of work creditably. It is significant, however, that we have undertaken to test a Third Year student's ability to do this work without having given him much previous training in it apart from the first year Moot Court work and the note-writing of a few students for the Quarterly. Even with its defects, the oral portion of the general examination has proved its educational value; but it is clear that it could not be effectively administered by a faculty of the present size if the Third Year class much exceeded fifty in number.

To be successful as practitioner, law teacher, or judge, a lawyer must have a considerable knowledge of law. He should be trained to see law as a science, and to see its sociological implications; to examine theories and decisions in the light of both history and present conditions. So much of the lawyer's training is being accomplished fairly well by present methods. But a law school graduate must be able skilfully to apply his knowledge and training to the tasks of a lawyer. To counsel clients after weighing facts in the light of their legal significance, and to assist them in the preparation of various types of legal documents is one of these tasks; to analyze a problem and prepare a convincing brief is another; and to try cases is still another. The University trained lawyer should also take a share in the improvement of the law by legislation.

Better preparation for the performance of the actual work of a lawyer can be given by introducing into the third year a substantial amount of problem work. This work should be so organized as to require the breaking of ground in new fields as well as a resurvey of ground covered in prior course work. It could include not only the preparation of memoranda of law, but also the preparation of legal instruments and even of curative legislation, stress being laid upon the necessity of thorough investigation of the facts and the law as a prerequisite to successful

drafting, rather than upon the actual drafting. In connection with the drafting of legal instruments, we should emphasize the importance of anticipating possible discoveries and changes of facts, of providing for alternatives, of averting ambiguities which are avoidable causes of so much litigation, and of covering specifically points on which the law is in doubt or in conflict. In connection with legislative drafting, we should aim to develop an ability to collect and comprehend the existing law, to observe defects, to conceive of improvements, and to recognize and evaluate the practical obstacles to their adoption.

The proposal for the introduction of problem work is not newly conceived; it has been under consideration by the Faculty for the past few years. Experiments with it have been attempted, and, though these have demonstrated the soundness of the proposal, they have not been wholly successful, because the direction of this work had to be superimposed upon the normal teaching load of the members of the Faculty. Problem work, requiring the collection or preparation of suitable problems, the arrangement of them in an orderly sequence, and the constant availability of the instructor for the guidance and assistance of students, demands vastly more of faculty time for each student than does the case method of teaching. Problem work can not be carried on successfully unless the man-power of the Faculty is substantially enlarged.

It is significant that while we have been waiting for a requested increase in the size of our Faculty, the Yale Law School with a Faculty of twenty-five has provided a sufficient number of seminars, in which enrollment is limited to ten students, so that each student may have the benefit of at least one seminar.¹ The bulletin of the University of Chicago Law School, where the Faculty consists of sixteen professors and two lecturers on Practice, announces that, commencing with the next academic year, "Particular attention is devoted to instruction in legal research and writing. Students are required to make original investigations and submit reports on various problems in the field of instruction. In addition, they are given opportunity to investigate special problems in related fields." It is understood that the Columbia Law School Faculty of twenty-four requires original investigations and reports of every second and third year student. According to a statement recently published in the *New York Times*, the Harvard Law School with a Faculty of thirty-two has reorganized its curriculum so as to permit the introduction of a number of seminars, and so as to enable third year students to elect any of the courses offered for graduate students.

There is an obvious and imperative need for a very substantial increase in the size of our Faculty if the Cornell Law School is to keep abreast of present trends in legal education.

FINANCIAL ASSISTANCE TO STUDENTS

In April the Board of Trustees accepted the Pound Memorial Fund established through contributions from Cornell lawyers and friends of the late Chief Judge Cuthbert W. Pound as an appropriate memorial to him. The Board of Trustees resolved that the income of approximately \$400 should be devoted annually to a scholarship in the Law School. The members of the Law Faculty appreciate this addition to the inadequate assistance now available for law students. Requests from prospective and enrolled students for financial aid have increased in number and in size. Experience has shown that applicants for admission are apt to matriculate with that institution which is able to offer most assistance. The report of Dean Smith of the Columbia Law School for the year ended June 1936 states that "scholarship aid amounting to \$40,566.50 was granted to 126 students with awards ranging from \$100 to \$770." This would indicate that approximately one-fourth of the student body were benefitted by these distributions.

At Cornell we have fifteen tuition scholarships established by the Board of Trustees, ten of which are definitely allocated to first year students. In addition there are two Sackett scholarships, one of \$400 and the other of \$280; two Van Nostrand Scholarships of \$200 each; a VanCleaf scholarship of \$80; and the

¹Report of Dean Clark for 1935-36.

recently added Pound Scholarship of \$400. Outside of this, the Law School has had to rely upon contributions from the Cornell Law Association and from contributions annually solicited from certain individuals and groups of alumni. It can not be expected that these contributions will continue indefinitely, and notice has already been given that three of these scholarships will not be continued beyond the present year.

The loan funds available to law students yield an annual income of approximately \$1500. This is derived chiefly from a bequest of the late Walter P. Cooke, '91. The situation both as to scholarship and loan assistance has proved inadequate to meet the requests of deserving students. An endowment for the establishment of scholarship and loan funds would be of inestimable value in the further development of the Law School.

LAW LIBRARY

During the current year 3700 volumes have been added to our collection. This includes 258 gifts. The librarian, Assistant Professor Morse, has given particular attention this year to completing the collections of the Reports and Opinions of Attorneys General, Reports of Judicial Councils, and Reports of Administrative Commissions. The increased demand for Attorney General Reports has produced lively competition for these volumes. In this field we already have one of the better collections. Professor Morse compiled an "Historical Outline and Bibliography of Attorney General Reports" which was recently published in the *Law Library Journal*. His check list of the Reports of Judicial Councils appeared in the *Law Library Journal* last year. Assisted by Mr. Richard C. Mitchell of the Second Year Class, he prepared a "Chronicle of English Judges, Counsellors, Attorneys General and Solicitors General", the printing and binding of which was made possible through the generosity of Mr. Edwin J. Marshall, '94.

The annual appropriation for new purchases, continuations, and binding is only \$9,000. This is wholly inadequate for the maintenance and needed development of the Law Library. This can be emphasized best by comparison of the size of the libraries and the annual expenditures of some of the other law schools. Figures relating to the Harvard Law Library, which is the largest and best supported, are omitted.

<i>Law School</i>	<i>Annual Appropriation</i>	<i>Number of Books</i>
Michigan, University of.....	\$32,000.00	126,000
Yale University.....	25,500.00	218,000
Louisiana State University.....	25,000.00	28,000
Columbia.....	22,000.00	197,000
Northwestern University.....	12,000.00	110,000
California, University of.....	12,000.00	59,000
Duke University.....	12,000.00	57,000
Chicago, University of.....	10,000.00	69,000
Cornell.....	9,000.00	83,000

In most instances, the above figures as to appropriations were secured by our librarian in 1935, and at that time many of the librarians stated that the figures given represented a great reduction in the former annual appropriations.

It is obvious that one of the great needs of the Law School is an increase in the funds available for maintaining and improving the library. An endowment, the income from which could be used for the library, is greatly to be desired, but at the same time smaller gifts, the principal of which could be used for library purposes, would greatly relieve the present situation.

FACULTY RESEARCH

Since June 1936 the following books have been published: Whiteside's revision of Kales' Cases on Future Interests and Illegal Conditions and Restraints; Stevens on Corporations; the third and fourth volumes of the second edition of Williston on Contracts which is being revised by Professor Williston and Professor

Thompson. It is expected that the remaining volumes of the latter set will be completed during the coming year. In preparation also are a case book on Wills by Professor Laube and a text on Admiralty by Professor Robinson. Articles by Professor Farnham on Pledges and by Professor Edgerton on Judicial Review appeared in recent numbers of legal periodicals. The New York Law Revision Commission, of which Professor Burdick is chairman and Professor MacDonald is Executive Secretary, has continued its valuable contributions toward the improvement of the law of the state. Three members of the Faculty, acting as Research Consultants, have assisted the Commission: Farnham in relation to fixtures and to the charging of legacies on real property; Whiteside in relation to spendthrift trusts and the rule against perpetuities; Stevens in relation to foreign unincorporated associations.

STUDENT BODY

The Law School registration throughout the past three years has been as follows:

	1934-35	1935-36	1936-37
Third Year	35	55	47
Second Year	59	53	60
First Year	85	92	83
	<hr/> 179	<hr/> 200	<hr/> 190

With the Commencement Exercises held on June 3, the Law School completed its fiftieth year. During the year 42 students were awarded the degree of LL.B., two of them with honors. The J.S.D. degree was conferred upon one candidate.

ROBERT S. STEVENS,
Dean of the Law School.

APPENDIX V

* REPORT OF THE DEAN OF THE MEDICAL COLLEGE

To the President of the University:

SIR: I have the honor to submit the following report of the activities and condition of the Medical College during the academic year ending June 30, 1937.

The loss by death on December 21, 1936, of Dr. Stanley Rossiter Benedict, who had been connected with the Medical College in New York for twenty-seven years, and who had been Professor of Biochemistry since 1911, was a severe blow to the College. Dr. Benedict was one of the outstanding personalities of the Faculty. He and his work were widely known both in this country and abroad. He was eminent in his field. He had served as a president of the American Society of Biological Chemists, and for many years had been managing editor of the *Journal of Biological Chemistry*. Since 1924 he had been a member of the National Academy of Sciences. Dr. Benedict is greatly missed by the Faculty, the students, and many friends. The keynote of his life's work was an uncompromising search for scientific truth.

NEW APPOINTMENTS AND PROMOTIONS

During the year Dr. Wilson G. Smillie was appointed to the Professorship of the Department of Public Health and Preventive Medicine. When he assumes his duties in the Fall of 1937, he will become the head of that Department. Dr. Smillie brings to the Medical College a broad experience in Public Health administrative and scientific work. In the immediate future he will devote himself largely to a solution of the problems arising through the new relationship of the Medical College to the Kips Bay-Yorkville Health and Teaching Center of the Department of Health of the City of New York.

For the past few years the teaching of Public Health has been under the able direction of Dr. John C. Torrey, Professor of Epidemiology. Dr. Torrey will remain with the Department of Public Health.

Dr. José F. Nonidez has been promoted from Assistant Professor to Professor of Anatomy; Dr. George Papanicolaou from Assistant Professor to Associate Professor of Anatomy, and Dr. Chester Loomis Yntema from Instructor to Assistant Professor of Anatomy; Dr. Ade T. Milhorat from Instructor in Medicine to Assistant Professor of Medicine; Dr. Alexander R. Stevens from Associate Professor to Professor of Clinical Surgery (Urology). Dr. Stevens is also Visiting Surgeon in Charge of the Urological Service of the Second Surgical Division (Bellevue), and Attending Surgeon New York Hospital.

Dr. Edward L. Keyes has resigned as Professor of Clinical Surgery (Urology) and has been appointed Professor of Clinical Surgery, Emeritus, (Urology). Dr. Keyes is consultant Urologist of the New York Hospital.

Dr. Carlyle F. Jacobsen has been appointed Assistant Professor of Psychology in the Department of Psychiatry. The appointment of Dr. Jacobsen brings to this department the highly valued point of view of an experienced Psychologist.

Dr. Philip Armstrong, Assistant Professor of Anatomy, has resigned to accept an appointment as Professor of Anatomy at the School of Medicine, University of Alabama.

Mr. Edward K. Taylor, Acting Business Manager of the Medical College, has been promoted to Business Manager.

CHANGES IN PHYSICAL PLANT

During the past year there have been a number of minor changes in the physical plant of the Medical College. These have been made to facilitate teaching, research, and administration. A considerable amount of necessary painting has been done, including all the exterior window sashes, frames, and spandrel sections. This was in coordination with like painting upon the New York Hospital, so that a uniform appearance of the exterior of the buildings has been assured.

During the year a most constructive step was taken by the Joint Administrative Board when it approved an Agreement between the Hospital and the Medical College, clarifying the relationship and responsibility of these two corporate bodies in the matter of operating and maintenance costs. This problem has been troublesome over a number of years, and although the Agreement may be reviewed and modified in the light of experience, it has provided a much better working basis for both institutions. Following this, the University authorities have approved that a capital fund for maintenance and an annual charge for maintenance are to be included in the budget. We are thus adequately protected against emergency outlays demanded by major breakdowns within the plant of the Medical College.

There is a serious need for modification and reconstruction of the animal quarters in a number of the buildings. With a view to providing space for animals necessary for diagnostic tests, investigation, and the teaching of students, the situation demands careful review and planning, together with a possible expenditure of several thousand dollars to obtain proper facilities.

THE CURRICULUM

There have been certain changes in the curriculum schedule, involving a rearrangement of hours between the departments of Bacteriology, Physiology, and Pharmacology. This greatly facilitates the teaching in these departments. It has been accomplished by the use of longer continuous periods in single sessions of laboratory work. There has been no reduction in the total number of teaching hours.

There is an increasing demand for more time to be devoted to the Curriculum. This is because of the ever expanding body of knowledge within the various fields of medicine, and the fact that it is considered essential to at least acquaint the student with much of this material. The question is frequently debated in Medical Education circles, where we find two distinct points of view. One, that Medical

students today should receive only instruction in the most important facts, and that their acquaintance with the field of medicine, particularly the specialties, should be definitely limited. The other, that the prescribed course in the Medical Colleges should be extended to a period of at least five years, thus permitting a much more intimate acquaintance with all phases of Medicine involved in medical practice. It is suggested that an approach could be made to the solution of this problem by completely rearranging the sessions of teaching and vacations during the year and permitting but three month's vacation divided between two main sessions—five weeks at Christmas including January, five weeks mid-summer, one week in the Fall and one week in the Spring.

Since the death of Dr. Otto H. Schultze some years ago, who was then Professor of Medical Jurisprudence, there has been no organized course in Legal Medicine. Steps have been taken this year to add this definitely to the curriculum schedule and the responsibility for the course has been assigned to Dr. Milton Helpern, as Instructor in Legal Medicine. Dr. Helpern is Assistant Medical Examiner at the office of the Chief Medical Examiner of New York City.

The College is faced with the serious problem of finding adequate material for the teaching of Psychiatry. An effort is being made to work out a more satisfactory relationship with the State Psychiatric Hospital on Ward's Island. Our relation with Bellevue Hospital remains the same. It was discussed briefly in the Dean's report for 1936. Funds are urgently needed to support these services.

EXTRA CURRICULAR ACTIVITIES

In addition to the regular curriculum schedule of the prescribed course in Medicine, an elective course in Military Science and Tactics, which presents the opportunity for the work necessary for the attainment of a commission as First Lieutenant in the Medical Reserve Corps of the United States Army, will be reestablished by the War Department. The Government withdrew a similar course two years ago for reasons of economy. We are pleased to have this course reestablished, as there are always a number of students who choose to avail themselves of this opportunity.

Studies in Silicosis pursued by various departments and supported by W. P. A. Funds, have proceeded through the year. Although a considerable amount of this work will cease, it is contemplated that additional funds will be requested to support important studies in this field in certain departments.

During the year many members from all departments have been most active in participating in the programs presented by the various National Medical Societies. The reception of the work presented by the members of our staff has been most gratifying.

STUDENT BODY

For the year 1936-37 there have been enrolled in the Medical College in New York City, 275 students, distributed as follows: First year, 58; second year, 75; third year, 70, and fourth year 72. In addition twenty-one were enrolled in the first year at Ithaca. Four students withdrew during the year, one on account of illness and it is expected that he will return to pursue his studies at a later date.

On June 18, 1937, seventy-one students of the fourth year class received the degree of Doctor of Medicine. On account of unsatisfactory performance and upon recommendation of the Faculty, four students were dropped from the third year class, ten from the second year class, and four from the first year class.

There have been enrolled nine graduate students, distributed as follows: Four in the Department of Biochemistry, one in the Department of Anatomy, one in the Department of Pathology, one in the Department of Physiology, one in the Department of Pharmacology and one in the Department of Bacteriology. Of these, four have successfully completed their work for an advanced degree. In the Department of Biochemistry, one received the degree of Master of Arts and two received the degree of Doctor of Philosophy. In the Department of Pathology, one received the degree of Doctor of Philosophy.

As a whole the student body has maintained an alert and healthy attitude of inquiry and pursuit of their studies. There has been evidence of considerable interest in investigation by a number of the students. Some of this has been of considerable merit and has warranted publication.

The attainment of a spirit of unity and satisfactory social life among the students is still greatly hampered by complete lack of recreational facilities, and space where the various student organizations may fulfill their respective functions.

COMMITTEE ON ADMISSIONS

By action of the Executive Faculty, a complete reorganization of the Committee on Admissions has been put into effect. The Committee is to consist of six members in addition to the chairmanship which will continue to be held by the Assistant Dean. These members are to serve in pairs for three years each, thus providing a rotating committee. The Dean is a member of this Committee ex-officio and for a number of years has attended most of the meetings of the Committee.

A great deal of thought has been given by the Faculty to the problem of securing better qualified medical students. Among the various factors which seem to be essential to the solution of this problem, are the following: (1) In order to hold our position in competition with other first class institutions, it is necessary to offer scholarships. Cornell University Medical College offers no scholarships. It is hoped that the Trustees may find ways and means to establish a fund from which scholarships may be offered to worthy and well qualified students who find it difficult to finance their medical education. (2) The Medical College completely lacks recreational facilities for its students. It has no dormitory. Students attending the Medical College find it difficult in New York to obtain the opportunity to enjoy a normal amount of physical exercise, particularly in the way of games, to which they have become accustomed during their undergraduate years at other institutions. As a result of a questionnaire recently distributed, it has been found that about half of the students would appreciate the facilities of a dormitory administered by the University. (3) It is felt by some that possibly a lack of clinical material for the use of students during the clinical years, and the fact that the internships offered by the departments of Medicine and Surgery of the New York Hospital are of one year duration only, and not necessarily secured to the outstanding students of the graduating class are factors which may detract somewhat from the appeal of the medical college to the better type of applicant.

ITHACA DIVISION

The recent decision of the Trustees of the University to discontinue the teaching of first year medical students in the division of the Medical College at Ithaca after June 30, 1938, should contribute much to the unity of spirit and the efficiency of the work of the student body. Although there are many advantages to certain students in the residence at Ithaca during the first year in Medicine, experience has shown that the transition involved in the transfer to the second year Medicine in New York has resulted often in making it difficult for these students to adapt themselves to the life and conditions here as compared with the group who have had their first year at the College in New York, and who have become accustomed to these conditions and settled in their work.

STUDENT HEALTH SERVICE

Under the direction of Dr. Dorothea Lemcke and with the assistance of Drs. Norman Papae and Byard Williams, the Student Health Service has continued to provide adequate medical attention for the student body. Since the Student Health Service was discussed at some length in the Dean's Report of 1936, I will but merely point out that during the year there were 795 calls at the Student Health Office; one hundred and ninety-two students were seen; nineteen students were hospitalized and the total days of hospitalization amounted to 237.

The problem of tuberculosis among our students has continued to be studied by the Departments of Medicine and Pathology. The incidence of definite tuberculosis at this Medical College appears to be considerably lower than that reported elsewhere. The presence of the disease is checked by tuberculin test, x-ray, and physical examination of each student.

The staff and the administrative officers of the New York Hospital have cooperated in a most generous way in facilitating the care of our students, and I wish to express to them the appreciation of the Student Health Service and the Dean.

RELATIONS TO OTHER INSTITUTIONS

The college has continued certain medical teaching services at the following hospitals in addition to the New York Hospital, viz.: Bellevue Hospital (Surgery, Medicine, Neurology); Willard Parker Hospital (contagious diseases); Memorial Hospital (cancer); the Berwind Maternity Clinic (obstetrics); the State Psychiatric Hospital, Ward's Island (psychiatry); also, the New York State Hospital for Incipient Pulmonary Tuberculosis at Raybrook, N. Y. This year the Stony Wold Sanitarium for Tuberculosis at Lake Kushaqua has been added to this group.

The Memorial Hospital has recently broken ground and commenced construction of its new plant at York Avenue between Sixty-seventh and Sixty-eighth Streets. The addition of the hospital to the medical community will, undoubtedly, prove a great stimulus to the group, and it is hoped that arrangements may be made so that students and staff of the Medical School, the New York Hospital, and the Memorial Hospital may participate mutually in the special facilities offered by each.

The cornerstone of the Kips Bay-Yorkville District Health Center was laid on May 10. Preceding the ceremony a luncheon was held at the invitation of the New York Hospital at its nurses' home. The President of the University presided. Mayor LaGuardia and Dr. Rice, Commissioner of Health were present. The University was enabled to deed the site of the health center building to the City through the generosity of the Rockefeller Foundation. The event was significant for it marked the putting into effect of a plan for the care of the health of the people of the city and the training of students in Public Health, which is likely to prove of great consequence in the future, both to the citizens of the community and the profession.

At the request of Dr. Goldwater, Commissioner of Hospitals, the New York University Medical College, the College of Physicians and Surgeons of Columbia University, and the Cornell University Medical College, have cooperated with the Department of Hospitals in appointing two members each to a Medical Board set up for the purpose of appointing and organizing the staff for the Welfare Island Hospital for Chronic Diseases. This Hospital will consist of four pavilions of four hundred beds each, together with administrative and pathological units. It is proposed that each medical school will assume the responsibility of staffing one pavilion, and that the fourth pavilion and the pathological unit, will be used for setting up special services under the supervision of the medical schools for research in connection with chronic diseases. It is contemplated that the hospital will be ready for service some time during the year 1939.

THE DEPARTMENTS

The Dean has received from the Council on Medical Education and Hospitals of the American Medical Association, its report of the survey of Medical Schools on its evaluation of Cornell University Medical College. This report does not go into detail. In general its evaluation will I am sure prove satisfactory to the authorities of the University. There are, however, certain weaknesses mentioned in this report. It would be well to review these points with the University authorities in the near future. Steps have already been taken to correct some of them. It should be borne in mind that the survey of this particular school was made during the late Fall of 1934, and early Winter of 1935, and, therefore, at a time when the Medical College faced, I believe, somewhat greater difficulties than it does at

present. The report shows that the evaluation of personnel of the various departments is first class.

The teaching in various departments, I believe, is of excellent quality. My judgment is based upon my personal knowledge of the situation together with what I gather from colleagues not attached to this organization, and particularly from students who have graduated and completed internships in other first class institutions. A number of these past students have dropped in voluntarily to renew their acquaintance with the administration and have been apparently frank in their statements. Furthermore, if one reviews the list of intern appointments, granted to the Cornell University Medical College graduates, and compares these appointments with those published by similar institutions, I believe it is fair to say that our graduates receive a fair share of what are regarded as most desirable places. The accomplishments of our students in the National Board Examinations has likewise been satisfactory.

The results of the examinations for licensure in New York State for the past two years, 1935 and 1936, have not been satisfactory. This situation has been carefully analyzed, and we believe can be corrected. Steps are being taken to accomplish this.

There is at present in the Faculty of the Medical College a healthy spirit of self-criticism, and in no way can the group be accused of being complacent in regard to the quality of our own teaching. Constant effort is being made to improve the quality of our teaching wherever it seems possible to do so. These steps include selection of the material offered to students, a consideration of the methods of its presentation, the arrangement of the curriculum schedule itself, and the matter of personal relation between the Faculty and the students. Certain difficulties which have arisen from lack of necessary clinical material have been overcome but there are still present one or two weaknesses in this respect.

I can assure you that the various departments have carried on the teaching with zeal. In addition there is a splendid spirit in investigation and research in every department.

In Anatomy, Dr. Stockard and his collaborators are still studying growth and development both here and at the experimental morphology station, which is supported by the Rockefeller Foundation. These studies have been comprehensive. They involve an analysis of the influence of internal secretions, of modifications in body chemistry, of diet and of habit on types of growth, nervous behavior, physical characteristics, and psychological reactions.

Dr. Stockard has been invited to give the Collins Lectures at the New York Academy of Medicine in the Fall of 1937. One of the conditions of this lectureship is that these lectures be published in an appropriate volume. Dr. Stockard has been granted leave of absence for half of the coming academic year so that he may summarize the results of his years of investigation.

Other important studies of this department have been those in progress in the field of reproduction by Dr. Papanicolaou, of anatomy and function of the nervous system by Drs. Nonidez and Armstrong.

Although there have been no publications from the Department of Bacteriology and Immunology during the year, there are three study projects of considerable size and importance being carried on by this department. These concern matters of immunity to the Pneumococcus, relationships between proportions of different anti-bodies and anti-serums for different bacteria, and a study which it is believed will make more effective the treatment of tetanus and rabies.

Although this is the first year in which Dr. Hinsey has been in command of the Department of Physiology, the work there has proceeded almost without interruption. Members of the department have contributed important information toward a better understanding of carbohydrate metabolism, the reaction of the pituitary body to various disturbances and certain important information concerning functions of the nervous system. The latter has had the particular attention of Dr. Hinsey.

In the Department of Biochemistry, Dr. Jackson is continuing his research on the synthesis and nature of amino acids.

There have been no collected papers of this department issued in bound volumes since 1928, and we are now having bound some 200 sets of the collected papers from this department from 1928 to date. These will be distributed to Medical Schools and libraries. They will prove a monument to the work of Dr. Benedict.

The Department of Pathology, under Dr. Opie, has continued its important studies of Tuberculosis and of Leukemia and related diseases. Through funds received from the Markle Foundation through the Ophthalmological Foundation there has been established a study of chronic infection, with particular attention upon changes in the eye and in the joints.

In the Department of Pharmacology, noteworthy observations have been made on the action and uses of digitalis and of xanthines. New light is being thrown upon the action of digitalis on heart muscle.

Dr. Torrey in the Department of Public Health has carried forward investigations which promise to increase the usefulness of the diagnostic complement fixation test for gonorrheal infection, and Dr. Kahn has contributed further knowledge of the methods by which elements of the blood combat tubercular infection.

THE CLINICAL DEPARTMENTS

The Clinical Departments have likewise carried forward a number of valuable investigations, those in Surgery have concerned themselves particularly with heart failure due to constrictive pericarditis and operative means of relieving this condition and prolonging the life of the patient have been carried out with considerable success.

The diseases associated with jaundice, the postoperative complications of thrombosis and embolism and the use of gastric analysis in differential diagnosis have also been subjects of profitable study.

In the Department of Medicine there have been very important contributions in carbohydrate metabolism and to the physics of heat loss and conservation by healthy and ill persons.

The Department of Pediatrics and the Department of Obstetrics and Gynecology, have also continued important clinical and scientific studies. Both of these departments have a serious need of more funds to support their work.

In the Department of Psychiatry, Dr. Henry has continued studies in homosexuality, and Dr. Diethelm is planning a series of studies of personality disorders from the clinical and psychological point of view.

The individual reports of the Heads of Departments are on file in the Dean's office and only by consulting them can an adequate picture of the various activities of the staff be obtained.

FINANCES

The question of more adequate support of all the departments in the Medical College and in the New York Hospital, is receiving the special attention of the administration.

WILLIAM S. LADD, M.D.,
Dean of the Medical College.

APPENDIX VI

REPORT OF THE SECRETARY OF THE ITHACA
DIVISION OF THE MEDICAL COLLEGE

To the President of the University:

SIR: I have the honor to submit this report of the Ithaca Division of the Medical College for the academic year 1936-37. This completes the 39th year of the College at Ithaca.

There have been no changes in the major members of the staff this year and instruction and research has continued normal without interruption.

The number of medical students registered in the Medical College at Ithaca was 21. Thirteen of these were students from Cornell University, 5 graduates and 8 seniors from the College of Arts and Sciences, 8 were from 7 other institutions. There were 3 women in the class. It is worthy of note that there were 8 students, with senior standing in the College of Arts and Sciences of Cornell, admitted at Ithaca among the 21 entrants and only 3 such students among the 57 admitted in New York. Eight Cornell graduates were admitted to the New York division of the Medical College. I am happy to report that the students admitted from our own college of Arts and Sciences compare very favorably in accomplishment in the Medical College with the students from other institutions and the students with senior standing compare favorably with those with the A.B. degree.

The number of students applying for admission to the Ithaca Division of the College has been larger this year than ever. The number of inquiries was 721 and 210 of these completed their applications. Twenty have been accepted for admission at Ithaca next year; 176 have been rejected, and 14 withdrew. The rather large number of withdrawals was due in part to the delay caused by the necessity of submitting the credentials to the Committee on Admissions in New York before final acceptance, among these were some of the most promising candidates. Each student in applying may indicate his preference for taking the first year in Ithaca or New York. Some of the 210 applicants who applied at Ithaca indicated that they would accept a place in the New York Division if not accepted for Ithaca. There were undoubtedly some of those applying in New York who indicated Ithaca as their second choice. Of those applying, 54 were from Cornell. This is a smaller number than for several years. I do not believe that the number of pre-medical students in the College of Arts and Sciences has shown any decrease. Last year there were 171 applications received at Ithaca, 39 less than this year.

Again this year there have been a large number of graduate students working for advanced degrees in the departments of the Medical College. In the Department of Anatomy there were 25 such students, 5 of these were taking majors in the department, 4 for the Doctor's and one for the Master's degree, 20 registered for Anatomy as a minor. In the Department of Histology and Embryology there were 20 students registered for advanced degrees, 8 of these were majoring in the department, 6 for the Ph.D., and 2 for the A.M., degree. Twelve students were taking minors in the department. In addition to this 42 graduate students were entered in undergraduate courses for training in connection with graduate work in other fields. In the Department of Physiology there were 26 students registered for advanced degrees. Five of these were majoring in physiology, 4 for the Ph.D., and one for the A.M., degree, 21 were taking minors. In Biochemistry there were 40 students registered for advanced degrees. Five of these were majoring in Biochemistry, one for the doctor's and 4 for the master's degree, 35 were taking minors in the department. These 111 registrations with the professors in the Medical College were distributed among 77 different students.

The supervision of the work of so many graduate students places a very considerable burden upon the major members of the faculty and interferes to some extent with their own productive work, nevertheless, capable students in the graduate field are welcome. They give an added stimulus to the faculty in their

own investigations and make it necessary to keep up with the very extensive literature in their various subjects. That the faculty have met the requirements in both these particulars is attested by their national and international reputation, and by the important papers that they have written.

The major members of the faculty in the Medical College at Ithaca, are not only trained investigators, but experienced and efficient teachers who have constantly kept in mind the needs of the medical student and who have been able and willing to meet those needs. Teaching and research have gone hand in hand. The teaching load of all these professors is far too heavy and they are assisted by an inadequate number of young instructors and assistants, none of whom have a medical background, and some of whom are still candidates for advanced degrees. It has been our policy for many years to take young men and women as Assistants and to train them in research and teaching. In selecting the instructors and assistants, the faculty have scrutinized the student's promise as an investigator and have studied much more than casually his ability as a teacher. Some of the assistants because of their contacts with the medical work have later completed a medical course. There have been however, a notable number, especially in the departments of Anatomy, and Histology and Embryology, who have remained in teaching and now hold important posts in other colleges and medical schools. That the quality of the teaching under this plan should not deteriorate has required constant supervision by the older members of the staff. I believe that we have been fairly successful and offer far better instruction than many medical schools. This training of teachers and investigators beyond what is possible for graduate students, has been an important service of the Ithaca Division of the Medical College. Although we are in part meeting the needs of medical education by training men and women to be teachers of the fundamental branches, still we are only in part meeting the needs of the medical schools. For the graduate assistants come to us usually directly after their arts college courses and stay for 3 or 4 years, or remain for a time after they have earned the Ph.D., degree. We are able in this time to impart only a small bit of the medical point of view. To be properly trained and really competent to teach medical students independently most of these students should supplement their Ph.D., training with the medical course. Only a few exceptional men are able to get the proper medical viewpoint without this.

The considerable number of graduate students, under training in the departments of the Medical College at Ithaca, has been listed above. In my opinion it is a distinct advantage for the medical students to be taking their fundamental training in this close association with graduate students such as exists in our laboratories. While the medical students are not themselves engaged in research, and should not be at this stage of their training, this contact with other investigators, both faculty and students, engenders a research point of view. This can not help but react favorably at a later stage in their career when they have sufficient background of knowledge to themselves engage in research, whether in the fundamental medical sciences, or in the clinical branches either in an institution or in their own private practice.

The medical courses are taken for the most part only by medical and graduate students. Few undergraduates in other colleges of the University take this work. The subjects taught in the first year of the medical course are fundamental biological subjects. Several of the departments are outgrowths of the departments of Zoology, among these are the departments of Histology and Embryology, Physiology, Human Anatomy and Neurology. It was natural therefore that the College of Arts and Sciences and the other colleges should look to the Medical College for instruction in these branches. In so far as it has been possible with the room, facilities and staff available or procurable, and when the needs of the other colleges have been presented, all the departments of the Medical College, have provided instruction by courses designed to meet the needs of the students in the other colleges. There have been 903 registrations in these non-medical courses in the Medical College at Ithaca this year. The details of these are given under the report on the separate departments.

In the Department of Anatomy there have been no changes in the staff of instruction and the teaching and research have proceeded as in former years. The supply of dissecting material has been abundant and the demonstration specimens have been ample. The collections of anatomical specimens have been steadily growing for the past 35 years. There are now available considerable collections of bones, brains, viscera and other specimens for statistical and anthropological study.

There are in the Wilder Collection a number of brains of distinguished persons that should be studied and reported upon. Each brain should be worked up anthropologically, morphologically and microscopically. This is not only time consuming, but very expensive, especially the microscopic study. If this material is kept too long it will deteriorate and make it unsuitable for microscopic study. It is urged therefore that provision should be made for increasing the staff in order to make this possible.

Including medical, graduate and undergraduate students there were 256 course registrations in human anatomy this year. The majority of these were the medical and graduate registrations. Outside of these, five courses were given to meet the needs of the College of Arts and Sciences. There is a growing need for work in physical anthropology and the collections in the department could well be used as a nucleus for such work. If it is to be given at Cornell, the department of anatomy is the logical place for its location.

The most urgent needs are a lighter teaching load and the provision of technical help, especially in neurology. The well merited promotion of Dr. James W. Papez to a professorship has been a source of satisfaction to all of those connected with the Medical College.

In the Department of Histology and Embryology, Dr. Kingsbury reports that the instruction has proceeded normally in all courses. In addition to medical students and graduate students this department furnished instruction to students in the Colleges of Arts and Sciences, Veterinary Medicine, and Agriculture. There were 374 course registrations in the department this year, of these 165 were in the Arts College, 110 in the Veterinary College and 15 in the College of Agriculture. Besides the medical course there were 9 courses offered by the department, 3 of these were for Veterinary students and 6 for Arts, Agriculture and Graduate students. The Assistants have shown a spirit of fine cooperation. It is a pleasure to note the enthusiastic reception by students and faculty alike of the promotion of Dr. Adelman to a professorship.

The needs of the department are many, among these are more and better unskilled service, a trained technician, space and provisions for tissue culture and experimental embryology, space for experimental animals and provision for their care, and clerical assistance. It is hoped that some of these can be provided soon. There have been published from the department, 6 papers during the year. The seminary conducted by Dr. Kingsbury has been continued as in past years and has served as a stimulating influence. It has been attended by advanced and graduate students, as well as visitors from other biological departments within and outside the Medical College. Pressure of required work has made it possible for only a few medical students to attend.

For the Department of Physiology, Professor Liddell reports that both teaching and research have progressed satisfactorily in spite of a hopelessly inadequate staff for the teaching of the courses to which the department is committed. There were 392 course registrations in the department this year. Besides the medical courses there were 7 other courses given. These were attended by graduate students, students in the College of Arts and Sciences, in Agriculture, in Home Economics, and the Veterinary College. The most pressing need of the department is for increased staff. The research work has been carried on both in Stimson Hall and at the Physiology Field Station. It is a pleasure to report that the research in experimental neurosis in animals has again been supported by the Rockefeller Foundation and that this will be continued at least for another year. In addition, this work and the investigation in electrophysiology is to have, during the coming year, outside support by grants from the Josiah Macy Jr., Foundation. More-

over the work of Professor Dye in endocrinology and metabolism has received a grant this year from the Snyder Fund. The additional investigators who are working under these grants, while giving no instruction to students, are an asset to the department and three of them have been appointed Research Assistants, without stipend. There was also assigned to the department for the year, one National Research Council Fellow.

Dr. Liddell comments as follows. Since the financial support for our research has come from sources other than the departmental budget and research funds of the College, research has outdistanced teaching and the discrepancy between teaching and research has become too great to be countenanced further.

For the Department of Biochemistry, Professor Sumner reports that the instruction has proceeded satisfactorily. Including the medical students, there were 171 course registrations in Biochemistry this year. This has taxed to the limit the resources of the department in every particular. The need is for more laboratory space, more money for apparatus and chemicals and enlarged staff.

This year Instructor Howell gave a course of lectures in Plant Biochemistry. Dr. Sumner says this is the first time a course in Plant Biochemistry has been given at Cornell. It would appear that there is need for very much more biochemistry than has been given in the past. Courses are in demand in Plant Biochemistry and in Animal Biochemistry to meet the needs of the other departments of the University, especially the Agricultural College. To meet this need, not only larger appropriations and augmented staff are required, but also greatly increased laboratory space. No such space is available in Stimson Hall. It is my opinion that it is unwise to set up a separate department on the Agricultural Campus as has been proposed. Such duplication in my judgment is not in the best interests of the University as a whole. This is however not the place to discuss this problem.

Biochemistry as now organized, is a part of the Department of Physiology. I would recommend that it be made an independent department.

Research by Dr. Sumner and his instructors has been actively pursued with excellent results. Due to inadequate space and meagre appropriations it has been necessary to turn away graduate students who applied to take majors in the department.

Professor Simon H. Gage, the responsible librarian of the Van Cleef Memorial Library, reports an increased use of the library for research and teaching.

It is a source of much gratification to the staff in Stimson Hall that Professor Gage has been able to secure through the cooperation of Miss Eugenia Van Cleef, photographs of her father, the donor of the library, Mr. Mynderse Van Cleef and his brother, Dr. Charles Edward Van Cleef, in whose memory it was founded in 1921. The enlarged photographs of the two brothers now hang side by side in the library.

The income from the special library endowment has made possible the continuation of certain biological periodicals so vitally important for research and teaching, and not elsewhere provided for in the University. This has been particularly important during recent years when there has been such a shrinkage of the general library income. A special appropriation from the income of the Van Cleef Library endowment fund was again granted Dr. Adelman for the purchase of early publications in biology now lacking in the libraries of the University. Through his expert knowledge, a number of valuable early works have been added already and it is confidently believed that by a continuation of his efforts, the library will become of ever increasing importance in this field.

Besides the use of the reference works in the library itself, many books are drawn out for use by the staff in Stimson Hall and by other officers of the university; and, as in the past, works have been lent to other universities to aid in their investigations. Members of the staff in Stimson Hall have keys admitting them to the library at any time. For the use of students, books reserved by their instructors are placed in the college office, where the clerk, Miss Ashdown, who is also assistant librarian, issues them as in the main library, for use in the adjoining alcove study room. She admits to the library those officers outside Stimson Hall

who wish to work there, and sometimes students also at the special request of their instructors.

Again the departments housed in Stimson Hall have received grants for research from both the Sarah Manning Sage Research Fund and the Solon P. Sackett Memorial Fund. These grants have been of great assistance, without them much essential research must have been abandoned or its scope greatly curtailed.

Last summer, Mr. and Mrs. John Mayer of Kansas City, Missouri, gave to the University, the sum of \$5000 to be used for such purposes as the Trustees might designate. The wish of the donors, however, is that consideration shall be given to its use in the form of loans for the financial aid of students in medicine or for medical research at Ithaca.

The Ithaca Division of the Medical College has rendered to the University many services besides the teaching of medical students. Some of these have been pointed out in this report and stressed in the report last year. Not the least of these in my opinion, is the medical atmosphere which the College brings to the Campus. It is too early to predict what effect the recent action of the Trustees in suspending the teaching of medical students at Ithaca after June 30, 1938, will have. Changes in the character of the research are almost certain to take place and certain adjustments in the service teaching offered by the faculty will occur. The exact nature of these, the future alone must determine.

ABRAM T. KERR, Secretary,
Ithaca Division, Cornell University Medical College.

APPENDIX VII

REPORT OF THE DEAN OF THE NEW YORK STATE VETERINARY COLLEGE

To the President of the University:

SIR: I have the honor to present the following report of the work and progress of the New York State Veterinary College for the fiscal year 1936-37.

FACULTY CHANGES

Although there has been a strong demand for veterinarians for private practice, or diagnostic work, and for teaching and investigational work, we have been quite fortunate in holding our staff nearly intact. Instructor Hendrik Versluis resigned to accept a position in commercial work at mid-year. Assistant Professor Carl Olson, jr., has resigned, effective at the end of this year, to accept a professorship in Massachusetts State College, and Instructor C. C. Ellis will go to the Vermont State Board of Agriculture as the Director of the Poultry Disease Laboratories. These men have rendered good service to the College and now go their ways with the good will and best wishes of their colleagues.

STUDENTS

One hundred fifty-two undergraduate students were registered in the college at the beginning of the year. Of these only four were dropped for scholastic deficiencies at mid-year. The selective admission of students is working out very satisfactorily as a means of improving scholarship by eliminating in the beginning most of those who would make poor students. Approximately 250 applications were received for admission to the class that entered in 1936. Since only forty were admitted, the ratio between these and the total number of applicants was about 1:6.

ADMISSION REQUIREMENTS

The question of whether or not the time is ripe for requiring a second year of general college work for admission has been debated for some time. It would be a step forward, without a doubt, if all students could have the benefit of a broader general education. On the other hand, this move would only slightly relieve the present congestion of our professional curriculum, since it now contains no courses, except organic chemistry, that might be shifted from the curriculum to the group of subjects required for admission.

Our students need more clinical experience than they have been getting. We have nothing equivalent to the year of internship that is required of medical practitioners. It is sometimes said, with considerable truth, that, in spite of our greatly improved educational standards, our newly graduated men are less practical than those of a generation ago. In improving the science of the veterinary profession, it may be that we have paid less attention to the art. This might be corrected by the establishment of a year of internship, but if this were to be done we would have to have considerable additions to our clinical staff. Whether or not this could be obtained is questionable.

In the present curriculum there are several courses in Animal Husbandry. For the boy who has had practical experience with animals before entering the college, these probably suffice to teach him as much of the rudiments of scientific feeding and breeding as he will require in his work. For the boy who has not had practical experience with domestic animals previously, these courses do not suffice, and it is doubtful if any amount of the usual formal teaching will take the place of actual work with animals on the farm. For these reasons, the faculty of this college recently has imposed a farm practice requirement on its students, beginning with the class entering in the fall of 1937. This requirement is similar to that of the College of Agriculture though less experience will be demanded. All entering students will be required to file a detailed report of their farm experience and will be given practical tests to check up on their claims. Those who are deficient will be required to remove the deficiency, by actual farm work, before being allowed to begin the work of their junior year.

THE TWENTY-NINTH ANNUAL VETERINARY CONFERENCE

The annual conference or short course for graduate veterinarians was held, as usual, in January. Again we had an attendance of about three hundred, a number which severely taxes our facilities. The greater part of the program was given by members of our faculty, assisted by a number of nonresident lecturers, and by some of the staff of the College of Agriculture. There is no doubt but that this annual gathering has had a very salutary influence on the quality of the veterinary service of the State.

BUILDINGS AND GROUNDS

The contracts were let on February 26, 1937 and on April 2 construction was started on the new Moore Laboratory. The contractor hopes to complete the building by May 1, 1938. The appropriation for equipment will be requested in the next State budget. If there are no unforeseen difficulties, the fully equipped building should be ready for service in the fall of 1938.

Because of greatly reduced repair appropriations in recent years the buildings are becoming rather shabby. Special appropriations for repairing the roofs and for constructing the parapet on James Law Hall were made this year.

There never has been any provision in the budget of the Veterinary College for care of the grounds. A small item for this purpose is needed so that the veterinary quadrangle may be kept in as good condition as the rest of the campus.

LABORATORY AND CLINICAL SERVICE

Indications at this time are that the number of accessions in the general diagnostic laboratory and the poultry disease diagnostic laboratories (at Ithaca and

Farmingdale) will be somewhat greater at the end of the year than for last year. The cases treated in the ambulatory, small animal, and surgical clinics also are likely to be somewhat greater. The great growth of these services within recent years is gratifying both because of the greater service that the institution is rendering in these activities and because of the wealth of material they bring to us for our teaching and research work.

RESEARCH

Research activities have moved steadily forward, although these activities, especially with relation to Bang's disease and bovine mastitis, have been somewhat curtailed because of the pressing necessity of educating the animal owners on the application of methods of control that already have been developed. Research men have been utilized for this work because of a lack of extension specialists for the purpose.

A well-planned project for determining the value of calfhood vaccination as a means of immunization against Bang's disease was set up during the year. Within two more years we should have definite information on the value of this procedure, and this information should govern the State's policy with respect to the control of this disease.

In this brief report there is not space to consider the individual projects. They were concerned with the following subjects: Bang's disease, mastitis, Johne's disease, bovine trichomoniasis, uremia of dogs, poultry parasites and their control, range paralysis and tumors of poultry, duck cholera, carbohydrate metabolism of birds, physiology of digestion in ruminants, the acid-fast microorganisms of soil, and tuberculosis of fish. In addition to these more formal projects, numerous problems that require investigational work arise in connection with the clinics and diagnostic laboratories. About fifteen technical papers have been presented before scientific bodies and published in veterinary, medical, and other scientific periodicals. Dr. Dukes has finished the third revision of his text-book "The Physiology of Domestic Animals", and the third edition of Dr. Milks' "Veterinary Pharmacology" became available last fall.

EXTENSION SERVICE

For several years we have sought financial support for inaugurating an extension service in veterinary medicine. It is hoped that the plan can be inaugurated in the near future. There is a very strong demand for such service, particularly among dairymen, and we believe that a great service can be done by an agency which would have as its principal function the dissemination of information on animal disease matters both to practicing veterinarians and animal owners.

NEEDS OF THE COLLEGE

With the completion of the new laboratory building, the Veterinary College will be reasonably well housed. James Law Hall, the oldest State building on the campus, needs major repairs and the portions that are vacated by the moving of the Department of Pathology and Bacteriology into the new building will have to be remodeled to accommodate the Department of Physiology.

The Department of Physiology is sadly lacking in equipment. This department should be built up to satisfy the need of both veterinary students and graduate students in all fields of animal biology. The work in animal pathology should also be expanded for the same reasons. We have strong men in both of these fields but more assistance and more financial help are needed for their work.

In general, we need a larger corps of instructors and assistants than we have. Too much routine work is being done by comparatively high salaried men.

Since this is my last report to you, Dr. Farrand, I want to take this opportunity of thanking you most sincerely for the helpful and courteous attitude you have always taken toward this College. It has always been appreciated by our faculty and especially by the undersigned.

W. A. HAGAN,

Dean of the New York State Veterinary College.

APPENDIX VIII

REPORT OF THE NEW YORK STATE COLLEGE
OF AGRICULTURE AND OF THE CORNELL
UNIVERSITY AGRICULTURAL
EXPERIMENT STATION

To the President of the University:

SIR: I have the honor to submit the report of the New York State College of Agriculture and of the Cornell University Agricultural Experiment Station for the fiscal year 1936-37.

RESEARCH

During the past year the Agricultural Experiment Station has maintained active and productive research on more than 400 problems of importance to agriculture in the State of New York. Many of these problems are fairly specific and fall definitely within the confines of a single department. With the rapid changes in our agricultural policies and procedures, however, and with the very definite trend toward even greater specialization in the agricultural sciences, many farm problems now require coordinated research between several subject-matter departments. There are definite indications that in the years to come more and more of our agricultural problems will require this type of attack.

The potato-research program, recently started in the Experiment Station, is an example of coordinated effort. The potato has been one of New York's most profitable farm crops. In recent years, however, potato production in western New York has declined rapidly and the prices obtained for the Smooth and Russet Rural types of potato grown in that part of the State have been lower than those obtained for other varieties of potatoes grown elsewhere in the State and in the Nation. Since the other varieties of potatoes more acceptable to the consumer cannot be grown profitably in western New York, because of certain environmental factors peculiar to that region, a new potato that meets with consumer demand and that can be grown at a profit in western New York must be found.

With the cooperation of potato growers interested in the problem and with the aid of a special State appropriation supplemented by Federal funds, the investigations are now under way. The program involves cooperative effort between eight departments in the Colleges of Agriculture and Home Economics. In spite of the fact that the program cuts across departmental lines, excellent cooperation has been shown by all of the workers concerned.

Since specific information is not available with reference to the type of potato desired by the consumer, the Departments of Economics of the Household and Household Management and Institution Management, in the College of Home Economics, are cooperating with the Departments of Agricultural Economics and Farm Management and Vegetable Crops, in the College of Agriculture, in a study of consumer preference and marketing. Paralleling this investigation, the Departments of Foods and Nutrition and Institution Management, in the College of Home Economics, are cooperating with the Department of Vegetable Crops, in the College of Agriculture, in an investigation of the cooking quality of potatoes. A study of the relation of crop rotations to potato production is being conducted jointly by the Departments of Vegetable Crops, Plant Pathology, Entomology, and Agronomy. The insect pests and diseases of potatoes are receiving concerted attention from the Departments of Entomology and Plant Pathology. Special emphasis is being placed upon the virus diseases, which appear to be on the increase. Tuber defects and mechanical injuries are being studied jointly by the Departments of Vegetable Crops, Plant Pathology, Entomology, and Agricultural Engineering. The Department of Plant Breeding has already made considerable progress in obtaining improved types of potatoes for production in New York

State. All of the data obtained by the other departments involved in the program will have a distinct bearing upon the potato-breeding investigations.

With everyone working toward the common goal of potato improvement and with the attention of several departments representing various sciences focused upon the problem in a coordinated, unified program of attack, the New York State potato growers may reasonably look forward to the solution of their problem in the not too distant future.

A detailed and complete report covering all research projects in the Experiment Station is given in the Annual Reports of the State Colleges of Agriculture and Home Economics to the Governor and the Legislature of the State.

EXTENSION

Expansion of activities, in cooperation with the Federal Government, has been an outstanding feature of the year. Most extensive of the new Federal programs is the Agricultural Conservation Service. In 1936, all crop-reduction and diversion features were eliminated and subsidy payments were confined to the adoption of soil-conserving practices that have been standard recommendations in the regular extension-service program for many years. The stimulus of cash payments to cover a part of the cost of these practices induced compliance by many farmers who had been indifferent to purely educational approaches.

Among other Federal agencies that have become increasingly active in rural affairs are soil erosion, rehabilitation and resettlement, electrification, and adolescent youth. With these and others, the extension service has dealt tactfully and efficiently. Efforts to integrate and coordinate these programs and to avoid conflicts and wasteful duplications have been most successful, owing largely to the conservative and strictly educational policy that has characterized the growth and development of the New York State Extension Service. Credit must also be given to the farmer leadership which has always played an important role in the determination of policies and programs.

Relationships between the strong rural organizations of the State, the farm and home bureau associations, the grange, the large farmer cooperatives, and the several commodity associations of fruit growers, vegetable growers, dairymen, potato growers, poultrymen, and the like, have never been better. These groups have continued to look to the College for unbiased counsel and for facts upon which they could form their own conclusions. Farm people, in general, are asking the extension service for more instruction and guidance than it can possibly give with present resources.

The extension service is trying to bring together in each rural county of the State representative farm men and women, rural bankers, business men, and leaders from all important local rural organizations to formulate a county agricultural policy and a long-term program. Subject-matter specialists will furnish such factual information and references as each county committee may need.

In view of the notable progress of recent years in agriculture, it is imperative that the extension service continue its past function of interpreting the findings of research as rapidly as they become available, strive constantly to develop that type of rural leadership capable of applying this new knowledge, and by example and neighborly counsel bring these newer and better methods into more general use.

APPROPRIATIONS

During the past year State appropriations for teaching and extension activities have changed but little. In the field of research, \$7500 was provided for studies on genetic resistance to poultry diseases. For the development and maintenance of strains and stocks of lettuce adapted to New York State conditions, the sum of \$5000 was appropriated. In support of the potato-research program, a total of \$46,000 was appropriated to the College for the potato-rotation studies, the research on yellow dwarf and other virus diseases of potatoes, the improvement of

potatoes by cross-breeding and selection, and the construction of greenhouse laboratories.

Except for the increments provided by law under the Bankhead-Jones Act, the Federal appropriations were practically unchanged.

In the report for 1935-36, it was indicated that the College was seriously hampered by reductions in the funds for maintenance. With the rapid rise in prices, the situation is becoming critical. It is hoped that the finances of the State will be such that the maintenance items may be restored in full at the earliest possible date.

STUDENT BODY

The student enrollment in the New York State College of Agriculture has continued to increase during 1936-37. With the exception of 1932-33 and 1933-34, when there was a reduction in the number of graduate and summer-session students, the increase has been steady since 1928-29. The total enrollment in 1936-37 was 2766, which is an increase of 65 per cent over the enrollment of 1677 in 1928-29 and an increase of 12 per cent over the figures for 1935-36. Students interested in various phases of conservation, the biological sciences, the teaching of vocational agriculture, and the year of college study required for admission to the New York State Veterinary College, are the groups in the four-year course which show the greatest increase in enrollment.

Graduate students, those in the regular four-year course, specials, and two-year students require the most time of the instructing staff. The number of students in these groups has increased from 942 in 1928-29 to 1808 in the current year, or 92 per cent. The two-year courses, started in 1929-30, have grown steadily to an enrollment of 211 in 1936-37. This group of students confines its studies, with few exceptions, to courses offered in departments of the College of Agriculture, and has added materially to the teaching load.

The increased registrations have made it necessary to add laboratory and class sections in many courses. Classes, in some instances, have become too large for the most effective instruction. New courses to meet new demands are asked for each year.

The Bankhead-Jones funds for teaching have helped to provide salaries for some additional members on the teaching staff, but further increases in funds for instructors are needed if the quality of the instruction is to be maintained. The alternative of limiting enrollment, beyond that provided by a careful selection from among the applicants, would seem to be an unwise policy.

The enrollment in the College of Agriculture for the past year was as follows:

Four-year students:	1936-37
Freshmen.....	369
Sophomores.....	274
Juniors.....	272
Seniors.....	190
Total.....	1,105
Special students.....	47
Two-year students:	
Dairy farming.....	90
Other livestock farming.....	15
Poultry farming.....	25
Fruit growing.....	15
Vegetable growing.....	18
Marketing of fruits and vegetables.....	8
Marketing of dairy products.....	20
Commercial floriculture.....	20
Total.....	211

Winter-course students:

Agriculture (general).....	43
Dairy industry.....	25
Poultry husbandry.....	21
Flower growing.....	23
Fruit growing.....	6
Vegetable crops.....	5
Total.....	123
Graduate students.....	445
Summer-session students.....	920
Total.....	2,851
Less number counted twice.....	85
Net total.....	2,766

CARL E. LADD,

Dean of the New York State College of Agriculture
and Director of Experiment Stations.

APPENDIX IX

REPORT OF THE NEW YORK STATE AGRICULTURAL
EXPERIMENT STATION AT GENEVA*To the President of the University:*

SIR: I have the honor to submit the Annual Report of the New York State Agricultural Experiment Station at Geneva for the year 1936-37.

The year at the Station has been one of unusual growth: a number of new projects have been started in several divisions; the list of publications from the Station and Journal articles is large, 83 in all; the staff of the Station has been increased by three new members; and two new investigatorships and grants-in-aid have been set up.

STAFF CHANGES

There have been four resignations, and eleven new appointments have been made to the scientific staff.

Resignations:

Dr. A. L. Shuck, Associate in Research (Seed Investigations), effective September 1, 1936.

Dr. J. J. Kucera, Assistant in Research (Chemistry), effective October 1, 1936.

Dr. T. W. Reed, Assistant in Research (Entomology), effective December 1, 1936.

Mrs. Marjorie R. Crawford, Librarian, effective March 15, 1937.

Appointments:

Dr. O. A. Reinking, Chief of the Division of Plant Pathology, effective July 1, 1936.

Dr. F. A. Lee, Assistant in Research (Chemistry), effective July 1, 1936.

A. D. Hess, Assistant in Research (Entomology), effective July 1, 1936.

Miss Dolores Weimer, Assistant in Research (Seed Investigations), effective October 1, 1936.

Dr. R. O. Magie, Associate in Research (Plant Pathology), effective November 1, 1936.

Dr. J. B. Moore, Assistant in Research (Entomology), effective December 1, 1936.

Dr. D. H. Palmiter, Associate in Research (Plant Pathology), effective February 1, 1937.

Dr. F. W. Hayward, Assistant in Research (Chemistry), effective February 23, 1937.

L. O. Weaver, Assistant in Research (Plant Pathology), effective March 15, 1937.

Miss Mabel F. Sperry, Assistant Editor, effective March 16, 1937.

Mrs. Rachel E. Hening, Librarian, effective March 16, 1937.

Changes in Title:

Dr. J. G. Horsfall, from Associate in Research to Chief in Research (Plant Pathology), effective July 1, 1936.

W. D. Crosier, from Assistant in Research to Associate in Research (Seed Investigations), effective September 1, 1936.

S. R. Patrick, from Technician to Assistant in Research (Seed Investigations), effective October 1, 1936.

F. E. Gladwin, from Associate in Research to Chief in Research (Pomology) effective February 1, 1937.

SPECIAL APPROPRIATIONS

Appropriations by the Legislature made available funds for two important fields of investigation. The major one of these is \$10,000 for investigation of apple scab; the minor one, \$5,000 for further investigations with hops.

REVIEW OF THE STATION'S WORK FOR THE PAST NINE YEARS

On January 15, 1938, Director Hedrick reaches the age at which Cornell University requires members of the staff to retire. In his report, the retiring director briefly reviews the general administrative work of the nine years in which he has been director. The chief items in this review are the reorganization of the Station in which the Divisions of Agronomy and of Poultry Husbandry were transferred to the Cornell University Agricultural Experiment Station; the Division of Horticulture was subdivided into the Division of Pomology and the Division of Vegetable Crops. In 1936 the title of the Division of Botany was changed to that of Division of Plant Pathology, and the Division of Seed Investigations was split off from the old Division of Botany.

Two new buildings have been erected during the past nine years: a horticultural building with facilities for four divisions of the Station's organization, at a cost of \$285,000 and equipment at a cost of \$65,000; and a range of greenhouses at a cost of \$80,000.

The fiftieth anniversary of the Station's establishment was celebrated in 1932, not in the usual manner of anniversaries for a day or a few days, but by asking as many state and national organizations to hold meetings on its grounds as could come during the year. Eight state and four national organizations met on the grounds of the Experiment Station during the summer of 1932, at which time the history and work of the Station for the past fifty years was presented.

An important change in the work of the Station has been under way during the past nine years. It seemed important that the Station should recognize the fact that there was over-production in all farm crops and that efforts should be made to help the farmers of the State to convert farm crops into foods. A review of the bulletins published during these years shows that much work has been done on ice cream, cheese, casein, sauerkraut, bottled cider, grape juice, pectin, jams, jellies, preserves, and the quick-freezing fruits and vegetables.

During the past fifty years of the Station's existence, little was done in making the grounds attractive. At the start of Director Hedrick's administration, improvements were begun with the primary desire of making the grounds more presentable. A secondary object, which has turned out to be quite as valuable as the first, was to plant trees, shrubs, and flowers so that all lovers of plants and

those who sell plants could come to the Station to study varieties. Still a third object was attained in that these plantations gave the entomologists and pathologists of the Station an opportunity to study the insect pests and diseases of ornamentals.

Increased appropriations for Station work during the period under review have been chiefly through special appropriations asked for by farmers. There are now fifteen of these special appropriations, eleven of which have come during the past nine years.

A noteworthy change has come about during this period of years in the matter of fellowships and grants-in-aid, made possible for the use of the Station by various commercial companies dealing in agricultural products. There are now eleven of these grants-in-aid.

Quite as noteworthy as the fellowships and grants-in-aid is the increase in the number of cooperative experiments between the State Experiment Station and the United States Department of Agriculture. Ten of these cooperative experiments between the two institutions are now in force.

CARL E. LADD,
Dean, and Director of Experiment Stations.

U. P. HEDRICK,
Director of the New York State Agricultural
Experiment Station.

APPENDIX X

REPORT OF THE DEAN OF THE NEW YORK STATE COLLEGE OF HOME ECONOMICS

To the President of the University:

SIR: I have the honor to present to you the annual report of the New York State College of Home Economics.

The annual report for the year 1935-36 described the attempt that is being made toward the achievement of an administrative organization that is best able to promote an integrated educational program in the various broad phases of work for which the College is responsible, namely, the teaching and guidance of students at the College; extension of home-economics teaching to large numbers of women and young people in the State; and the development of a program of research in home economics.

The full annual report of the College for 1936-37 describes progress that has been made toward this administrative organization. The department reports further describe the outstanding developments that have taken place during the year. Especial attention is given to progress in curriculum change and development, and in the program of student guidance.

STUDENT ENROLLMENT

The total number of applicants for entrance into the College in September 1936, including freshmen and advanced-standing students but not including special or hotel-administration students, was 449. Of these, 121 registered in September—106 as freshmen and 15 as advanced-standing students. As in previous years, because of limited personnel the College was obliged to refuse entrance to a large number of qualified applicants. Some relief in this situation has been provided for the year 1937-38 through an increased appropriation by the State which will enable the College to accommodate 50 additional freshmen. Thus, in September 1937, the College will be able to accept an entering class of 150 students. An additional appropriation for the next three years would permit continuation of an entering class of this same number.

PRESIDENT'S REPORT

The student enrollment in home economics (exclusive of hotel administration) for 1936-37 was as follows:

Freshmen.....	106
Sophomores.....	99
Juniors.....	88
Seniors.....	110
	<hr/>
Special students.....	403
	<hr/>
	14
	<hr/>
	417
Graduate students.....	40
Summer-school students.....	172
	<hr/>
	629
Less number counted twice.....	18
	<hr/>
	611

The enrollment of students in hotel administration was as follows:

Freshmen.....	73
Sophomores.....	57
Juniors.....	71
Seniors.....	40
	<hr/>
	241
Special students.....	13
	<hr/>
	254
Graduate students.....	
Summer-school students.....	111
	<hr/>
	365
Less number counted twice....	5
	<hr/>
	360

THE STAFF OF THE COLLEGE

Number employed

Exclusive of the Department of Hotel Administration and the members of the administrative staff paid jointly by the College of Home Economics and the College of Agriculture, the College of Home Economics employed during the year 1936-37 a total of 147 persons, some of them for part-time service. Calculated as full-time employees, this number becomes 127½. Divided according to major functions, this full-time number is distributed as follows: resident administration, 4; resident teaching, 37¾; research, 10; extension administration, 6; extension teaching, 24; clerical, 32½; care of building, 13.

During the same period the Department of Hotel Administration employed, including instructors paid jointly by the College of Home Economics and the College of Agriculture, a total of 37 persons. Calculated as full-time employees, this number becomes 20. Divided according to major functions, this number is distributed as follows: teaching, 16; clerical, 3; care of building, 1.

Appointments during 1936-37

FOODS AND NUTRITION: Wilma Blanche Beckman, M.S., 1932, University of Chicago, part-time Research Assistant; Ruth Ellen Closson, B.S., 1936, Simmons College, part-time Assistant; Anne Rasin Matthews, M.S., 1936, Columbia University, Extension Instructor; Elizabeth Alice Pittman, B.S., 1936, Kansas State College, part-time Research Assistant; Eleanor Brewer Schempf, B.S., 1934, Uni-

versity of Wisconsin, part-time Assistant; Catherine Hedwig Stainken, B.S., 1936, Cornell University, part-time Assistant.

TEXTILES AND CLOTHING: Joan Di Stefano, B.S., 1936, Teachers College, Columbia University, Instructor.

HOUSEHOLD ART: Rhea Ivalo Brown, B.S., 1935, Cornell University, part-time Instructor; Helen Park, B.A., 1933, Syracuse University, Instructor.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Vera Ellithorpe, B.S., 1935, Kansas State College, part-time Research Assistant; Jessie Alice Freeman, B.S., 1936, Cornell University, part-time Research Assistant; Ruth Elaine Henderson, B.S., 1936, University of Nebraska, part-time Research Assistant; Eleanor Elaine Knowles, B.S., 1931, University of Maryland, part-time Research Assistant; Jo Elizabeth Miller, B.S., 1936, Kansas State College, part-time Research Assistant.

FAMILY LIFE: Faith Evelyn Davis, M.A., 1931, Columbia University, part-time Instructor.

INSTITUTION MANAGEMENT: Erma Ruth Lewis, B.S., 1930, Cornell University, part-time Research Assistant; Dorothy Deane Roberts, B.S., 1929, Iowa State College, Instructor and Assistant Manager of Cafeteria; Marion Aurelia Wood, B.S., 1930, Cornell University, part-time Research Assistant.

Promotions during 1936-37

FOODS AND NUTRITION: Linnea Dennett, from Home Demonstration Agent at Large to Extension Instructor; Hazel Marie Hauck, from Assistant Professor to Professor.

TEXTILES AND CLOTHING: Frances Artie Brookins, from Instructor in Home Economics and Assistant Director of Costume Shop to Instructor in Home Economics and Director of Costume Shop; Margaret Louise Humphrey, from Instructor to Assistant Professor.

HOUSEHOLD ART: Charlotte Wenonah Brenan, from Extension Instructor to Extension Assistant Professor.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Ella Mary Cushman, from Extension Assistant Professor to Assistant Professor.

FAMILY LIFE: Kathryn Elizabeth Newton, from Stenographer to Assistant; Katherine Reeves, from Assistant Professor in charge of junior group of children in the Nursery School to Assistant Professor in charge of the Nursery School; Lemo Dennis Rockwood, from Extension Assistant Professor to Professor.

STUDENT GUIDANCE: Marion Fish, from Assistant Professor, Economics of the Household and Household Management, to Assistant Professor of Home Economics and Assistant Adviser on Educational Procedure.

EXTENSION ADMINISTRATION: Helen May Paine, from Home Demonstration Agent at Large to Assistant State Leader; Orrilla Wright, from Home Demonstration Agent at Large to Assistant State Leader.

Resignations during 1936-37

FOODS AND NUTRITION: Mildred Estelle Hall, B.S., 1933, Cornell University, part-time Research Assistant, June 30, 1937; Christine Anderson Heller, B.S., 1933, Cornell University, part-time Instructor, June 30, 1937; Jeanette Gardiner Powell, B.S., 1926, Cornell University, part-time Assistant, February 14, 1937; Marietta Carolyn Zoller, B.S., 1933, Cornell University, part-time Assistant, June 30, 1937.

HOUSEHOLD ART: Rhea Ivalo Brown, B.S., 1935, Cornell University, Instructor, February 14, 1937.

FAMILY LIFE: Elsie Junkin, Assistant, September 30, 1936.

INSTITUTION MANAGEMENT: Erma Ruth Lewis, B.S., 1930, Cornell University, part-time Research Assistant, June 30, 1937.

STUDENT GUIDANCE: Marion Fish, Ph.D., 1933, Cornell University, Assistant Professor of Home Economics and Assistant Adviser on Educational Procedure, June 30, 1937.

EXTENSION ADMINISTRATION: Frances Evelyn Nance, M.S., 1924, Columbia University, Home Demonstration Agent at Large, June 30, 1937.

Appointments—To become effective on July 1, 1937, or later

FOODS AND NUTRITION: Laura Lee Smith, Ph.D., 1930, University of California, part-time Instructor; Kathryn May Traer, B.S., 1936, Parsons College, part-time Assistant; Ellen Kemp Watson, B.S., 1936, Utah State Agricultural College, part-time Assistant.

FAMILY LIFE: Blanche Miller Hedrick, M.A., 1934, State University of Iowa, Extension Instructor; Olive Woodruff, M.A., 1937, Ohio State University, Instructor.

EXTENSION ADMINISTRATION: Eunice Heywood, B.S., 1929, Oregon State Agricultural College, Home Demonstration Agent at Large.

Promotions—To become effective on July 1, 1937, or later

FOODS AND NUTRITION: Catherine J. Personius, from Research Assistant to Assistant Professor.

TEXTILES AND CLOTHING: Gladys L. Butt, from Extension Instructor to Extension Assistant Professor.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Eleanor Elaine Knowles, from Research Assistant to Extension Instructor.

Leaves of Absence, 1936-37

Muriel Brasie, Second term (Sabbatic); Helen Bull, Second term (Sabbatic); Katharine Wyckoff Harris, November 1, 1936, to April 30, 1937 (Sabbatic), May 1 to June 30, 1937; Caroline Morton, September 1, 1936, to August 31, 1937 (Sabbatic); Mabel Alice Rollins, Second term; Nancy McNeal Roman, January 1 to June 30, 1937 (Sabbatic); Alma Fincher Scidmore, March 1 to May 31, 1937.

CARL E. LADD,

Dean, New York State College of Home Economics.

FLORA ROSE,

Director, New York State College of Home Economics.

APPENDIX XI

REPORT OF THE DEAN OF THE COLLEGE OF ARCHITECTURE

To the President of the University:

SIR: I have the honor to submit the following report for the College of Architecture for the year 1936-37.

The year opened with one hundred thirty-one students registered in the College. In 1935-36 the number was one hundred forty-six and in 1934-35, one hundred seventy-six. The physical capacity of the College may be taken as providing for about one hundred seventy. The entering classes for the same years were, thirty-one, twenty-two, and forty-four respectively. These figures seem to indicate that next year may show a further decline in total numbers but that by that time an upturn in attendance may be expected. This estimate is borne out by the fact that applications for next year are, at this time, ahead of those for the corresponding period last year. The present tentative improvement of conditions in the building industry may be expected to sustain these promises of increased numbers.

The make-up of the Faculty presents a problem of the first order. For several years it has been evident that soon this problem would become an urgent one. Too many of the staff are at or approaching the age of retirement. In the next few years four or five of our most important places must be filled with new and younger men.

For thirty or forty years the teaching of Architecture in this country has been developed from the traditions of the Paris School. In the beginning our great teachers were French. These were followed by Americans who were trained in the same school. In the next few years these men will have passed off the stage and it is not apparent where their successors will be found. At the same time Architecture itself is undergoing profound changes, and these are being reflected in the policies and personnel of some of the schools. In certain cases the transition is expressed in sudden and complete transformation.

Throughout the same period of thirty or forty years, at Cornell, we have taken part in the slow swing from the purely French tradition to an Americanized version. The development has been practically a continuous one since 1898. It is worth noting that through many years our Faculty has been more largely made up of men of matured experience in practice than any other we know about. As the Faculty list now stands, fourteen men are actually teaching Architecture or Landscape Architecture. Of these, ten are members of their national professional societies and of these ten, five are Fellows of those societies. Our one Professor Emeritus is a Fellow of the American Institute of Architects. Again, of the fourteen men, five have had over ten years of practical experience, in most cases in independent practice. It may be that this is the reason why this school took the lead in establishing the five-year curriculum which is now standard. It may be that this is the reason why we have been making changes in teaching practice through the past fifteen years which are essentially much the same as other schools are now making by revolution. We believe that no abrupt change in policies at this time is desirable but that the men must be found who will carry on and develop our traditions which by now are not only definitely American but also, to a considerable extent, characteristic of this particular school.

The retirement of Professor Brauner and Professor Camden from the Fine Arts Department presents a problem of another sort. For a long time this department, under Professor Brauner, did excellent work as a service department for the college. Fifteen years ago the degree of Bachelor of Fine Arts was established with the idea of offering instruction to the student who wishes to develop a talent in the Arts while at the same time making use of the educational resources of a great University. From the start it was recognized that such a program would not make a wide appeal. As a matter of fact, the course has never attracted students in sufficient numbers or of satisfactory quality. This year it was decided to try a modest amount of special publicity. The first mailing is about ready to go out. While this material was in preparation the applications for next year were coming in and it is encouraging to note that they promise the best class, as to quantity and quality, that has yet been admitted. As soon as the vacant faculty posts are filled, a replanning of this work will be undertaken but no change in basic policies is anticipated.

Five years ago the College had at its disposal one fellowship and one graduate scholarship. There have since been added, two graduate scholarships, five scholarships for graduates of four-year courses and six half tuition scholarships for entering students; all for limited terms of years. These have been of great value, particularly those for graduates of four-year schools. They have attracted a desirable type of student from schools mostly in the West and South. As soon as possible the whole question of student aid should be restudied and placed on a more permanent basis.

The work in Regional Planning, conducted by Professor Clarke, on an appropriation made by the Carnegie Corporation, is nearing the end of the term originally provided for. This experiment has fully proved its value. An introductory course and three seminars for advanced students have been given. About three hundred and fifty students have received instruction. These have been drawn

from five Colleges of the University and from about thirty states or countries. Twenty per cent were from the Graduate School.

The announced purpose of the course in the beginning was to offer instruction in Large Scale Planning, of a non-technical nature, to all students in the University and preferably to as diversified a group as possible. This purpose has been achieved. The work has had generous support from the faculties of other colleges and from lecturers of note from outside the University. It is hoped and believed that a continuance of support beyond the period already provided for will be assured.

For next year it is planned to institute close cooperation between Professor Clarke, and the School of Civil Engineering in offering a new course in Highway Design and Construction that will unite the latest ideas in Engineering Technique with modern planning practice and aesthetic design. This will be a step in advance of anything yet done in that field.

Once more I am happy to report that a student in the College, John F. Kirkpatrick, has won the Fellowship of the American Academy in Rome, in Landscape Architecture. He becomes the fifteenth holder of this fellowship and the tenth graduate from Cornell in that group.

The College Council, established by the Board of Trustees last June, has met and organized. So far the meetings have been devoted to familiarizing the Trustee and Alumni members with our present position. Next year it is planned to take up more definitely some new plans for future development.

For the past few years this College has been in cooperation with the schools at the University of Minnesota, Armour Institute and the Massachusetts Institute of Technology, in conducting identical problems in Design. The results obtained in each school have been circulated to each of the other schools as a traveling exhibition. This procedure has been found stimulating and useful. It has attracted the notice of other schools and it is altogether likely that the coming year will see several such small groups in cooperation in various parts of the country. While it was entirely unforeseen, it is natural that some such development should coincide with the recently announced closing of the work of the Beaux Arts Institute of Design.

This year will be the third of a three-year experimental program of Summer School instruction in Architecture and Landscape Architecture. The purpose has been to offer work for advanced students only and to confine it to problems which lie in the field common to the two professions. The intent has been to emphasize the interdependence of the two arts. It is evident already that really significant work can be done on this basis. The results, judged as to quality, have been all that was expected. The number of students has varied from thirteen to twenty and too few have come from other Universities. A decision will soon have to be made as to whether this experiment can be carried further.

The work of the College has been severely handicapped throughout the year by the illness of Professor Phelps; but owing to the smaller size of the student body we have been able to carry on the usual program. At the same time we have been able to grant more than the regular number of leaves of absence. Professor Seymour has spent the large part of the past term visiting the Eastern schools of Architecture and is now in Europe. Professor Lawson is in Europe, collecting material for colored slides to illustrate the History and Theory of Landscape Architecture. It is believed that the collection thus made will be of assistance not only in this own work but in similar courses given at other Universities. Next fall Professor Hartell will spend in practical work in an office and Professor Midjo is to have leave on account of ill health. This is a far greater number of leaves of absence than has been usual in the past twenty years. They have been made possible only because of the small registration in the College. As numbers begin to increase the problem of providing the ordinary and proper leaves will again arise. It is hoped that it will be possible to work out a better situation in this respect than was characteristic of the years 1900-1934.

Professor Phelps' courses in History of Architecture have long been recognized as among the strongest given in the College. During the past year Mr. C. D.

Robinson, Jr., an alumnus of the College, established the Robinson Prize in Architectural History in recognition of the quality of the work and to encourage more students to carry advanced work in this field.

The physical changes in the equipment of the center drafting room in White Hall which were effected last summer have greatly improved working conditions. The proposed extension of that treatment to the North and South rooms seems now to be impossible for this year but it should be done as soon as available funds will permit. Meanwhile, the situation in Franklin Hall is becoming steadily worse. This space should be reconditioned as soon as may be. These attempts to make rooms, untouched for thirty years, more habitable should not be viewed as in any way satisfying the need for more and better space in which to work. Rather it is merely an attempt to carry on as well as may be with what is admittedly an inadequate physical plant.

The end of the year finds the College in many respects facing critical decisions. Another ten or even five years must see many important changes. The initial meetings of the College Council give every promise that the pending period of change can be faced with full confidence.

GEORGE YOUNG, JR.,
Dean of the College of Architecture.

APPENDIX XII

REPORT OF THE ASSOCIATE DEAN OF THE COLLEGE OF ENGINEERING

To the President of the University:

SIR: I have the honor to present herewith the report upon the work of the College of Engineering for the year 1936-37.

Herman Diederichs, formerly Director of the Sibley School of Mechanical Engineering, was appointed Dean of the College to succeed Dr. Dexter S. Kimball who retired June 30, 1936. Professor W. N. Barnard was appointed Acting Director of the Sibley School of Mechanical Engineering.

The entering classes in the three Schools continue to increase in numbers. Graduate Students in the College also increased, due largely to the growth of advanced study in Civil Engineering where fifty were enrolled in the second term.

The John McMullen Regional Scholarship plan, inaugurated last year by the award of 15 such scholarships to incoming freshmen, was expanded this year by the appointment of 27 Regional Scholarships of \$200 for each of four years. Through the rapid growth of the fund the annual stipend beginning next year will be \$300. The \$200 Undergraduate Scholarships which have been awarded to needy students of satisfactory scholastic standing, are being continued, 60 having been awarded this year. Hereafter, however, the number of these scholarships will be reduced to 48 each year.

This year marked the beginning of a graduate scholarship in engineering, designed to aid in the development of research in conjunction with the income of the Westinghouse fund, and known as the John McMullen Graduate Scholarship. The holder will receive \$1000 a year and will divide his time during twelve months equally between research and graduate study. Ten such scholarships were awarded this year, resulting in greatly stimulating both research and graduate study. It is arranged that a scholar may obtain one year of credit in graduate work during the 12 months.

For some years the five-year course leading to the degree of Chemical Engineer has, during the first four years, been under the jurisdiction solely of the Department of Chemistry. This year dual registration in both Engineering and Arts and Sciences has been arranged, and a Supervisory Committee composed of certain

members of the faculty in Chemistry and Mechanical Engineering put in charge of the course. This development was undertaken to obtain better integration of the curriculum.

The College has for some years been greatly handicapped through lack of space and equipment both for instruction and research. Throughout the year a study of the expanding needs of the several Schools has been carried on, culminating in a program of reconstruction and endowment.

During the last two years Southern New York has been visited by disastrous floods. In consequence, the Federal Government, through the United States Engineer Corps, has undertaken a program of flood control in the Susquehanna watershed. Through a cooperative agreement between the University and the Army Engineers, the hydraulic and soil mechanics research required to carry out this program is being done at the University. A temporary building erected by the Engineer Corps houses their soils research, while the hydraulic studies are being conducted at the Hydraulic Laboratory. Basic research is sponsored in each field jointly by the Engineers and the School of Civil Engineering.

In cooperation with the Municipal Training Institute and the State Department of Health a three-day conference for sewage works operators from 31 counties was held during the Spring recess. Approximately 100 were in attendance.

During the week following Commencement the annual conventions of the Applied Mechanics and Hydraulic Divisions of the American Society of Mechanical Engineers were held jointly at Cornell. About 250 engineers from this country and abroad were in attendance.

This report is submitted on behalf of Dean Diederichs who has been seriously ill for the past two months.

S. C. HOLLISTER,
Associate Dean of the College of Engineering.

APPENDIX XIII

REPORT OF THE DIRECTOR OF THE GRADUATE SCHOOL OF EDUCATION

To the President of the University:

SIR: I have the honor to present the report of the Director of the Graduate School of Education for the year 1936-37.

ENROLLMENT*

There has been a nominal increase of twelve undergraduates enrolled in Education during 1936-37 as compared with 1935-36. Of the 653 enrolled, 220 were men and 433 were women. Two hundred and fifty-seven were registered in the Department of Education and 396 in the Department of Rural Education. Certain detailed facts of general interest regarding enrollment may be found in the following table:

*These figures do not include the Summer Session enrollment.

DATA REGARDING UNDERGRADUATES ENROLLED IN EDUCATION

	<i>Registered in Rural Education</i>	<i>Registered in Education</i>	<i>Total</i>	<i>1935-36 Total</i>
Senior standing				
Men.....	54	24		
Women.....	77	68	223	225
Junior standing				
Men.....	76	21		
Women.....	87	71	255	292
Sophomore standing				
Men.....	24	16		
Women.....	69	54	163	106
Freshman standing				
Men.....	00	1		
Women.....	00		1	1
Special				
Men.....	3	1		
Women.....	6	1	11	17
	<hr/> 396	<hr/> 257	<hr/> 653	<hr/> 641
Total				
Men.....	157	63	220	223
Women.....	239	194	433	418

There has been a marked increase in the number of graduate students having a major or a minor in Education.† The enrollment this year is 98 as compared with 69 in 1935-36. Of this number approximately one-half were majoring in Education. Thirty-three were candidates for the Doctorate, twelve of whom were carrying a major in the field. Within this group were representatives from twenty-four different states and three foreign countries. Other information of interest may be found in the following analysis:

	<i>First term</i>	<i>1936-37 Second term</i>	<i>Both terms</i>	<i>1935-36 Both terms</i>
I. Number of different students registered:				
a. With Education* as a major.....	30	45	48	43
b. With Education* as a minor.....	32	40	50	26
	<hr/> 62	<hr/> 85	<hr/> 98	<hr/> 69
II. Number who are candidates for:				
a. Ph.D. (major in Education*).....	6	12	12	12
b. Ph.D. (minor in Education*).....	14	19	21	10
c. M.A. or M.S.....	26	35	45	30
d. M.A.Ed. or M.S.Ed.....	11	12	10	13
e. Other degree.....	1	2	2	0
f. No degree.....	4	5	7	4
III. Geographical Distribution:				
a. Number of different states represented.....	23	21	24	15
b. Number of foreign countries represented.....	3	3	3	7
c. Number from New York State.....	26	39	45	36

We are continuing our policy of selecting with care those who are permitted to seek an advanced degree. Especially is this true of work on the Doctorate level.

†Education or Rural Education.

*As such placements are made in advance, they are recorded as of the academic year in which the teaching is done.

There is considerable question as to whether there will be the demand in the future on the part of institutions of higher education for workers in the general field of Education that there has been during the last two decades. Such further developments as take place in these institutions are likely to be in the specialized fields, such as guidance, vocational education, rural education, and the like. We may, however, expect a marked increase in the number of persons seeking Master's degrees. This is due to the fact that preparation for secondary school teaching is rapidly being placed upon the Master's level, while forms of special service, such as guidance, administration, supervision and the like have already reached that point in many of the states. It is altogether probable that the tendency will be to push the training for some of these positions beyond the Master's degree through a second or even a third year of graduate work. In that event the appropriate degree might be a professional Doctor's degree, such as the Ed.D. Some institutions have already recognized the need for a degree of this type.

PLACEMENT OF TEACHERS

Dr. Hulse reports for the Bureau of Educational Service as follows:

"A partial distribution of placements for the academic years 1935-36 and 1936-37 is shown below.* There is very little change either in the total number of placements or in the distribution for the year 1936-37 as compared with the year 1935-36. As noted in the report of last year, opportunities for college teaching in academic subjects are increasing and the majority of candidates are finding positions. In public schools the demand is heavy for teachers of special subjects, permitting us to locate to advantage our teachers of home economics and vocational agriculture.

	<i>For</i> 1935-36		<i>For</i> 1936-37	
Number placed:				
Seniors	74		71	
Graduate students in residence	44		37	
Graduates in residence	4		1	
Graduate students in the field	66		85	
Graduates in the field	75	263	67	261
	—		—	
Positions filled:				
Through Bureau on direct notice from employer to University	96		94	
Through University outside Bureau	13		16	
Through individual effort with aid of Bureau	38		25	
Through individual effort alone	77		76	
Through outside placement bureaus and commercial agencies	23		33	
Uncertain	16	263	17	261
	—		—	
Institutions supplied:				
Colleges, universities, and normal schools	54		69	
Private schools	4		14	
Public schools	168		141	
Other institutions	37	263	37	261
	—		—	

Although there has been a marked increase in the number of calls for secondary school teachers for the academic year 1937-38, our placements have been largely in the special fields of home economics and vocational agriculture. There are, however, indications of an increasing demand for teachers of academic subjects."

EDUCATION IN THE 1936 SUMMER SESSION

As compared with the Summer Session of 1935 there was an increase in the number of different individuals registered in the professional courses in Education

from 549 to 600, and in the number of registrations in regular courses from 1055 to 1314. Three hundred and thirty-nine were men and 261 were women. There were 108 who matriculated for the Master of Science in Education degree. Of those registered, 98 were principals and superintendents; 357 were high school teachers; 38 were elementary teachers; 30 held other positions; while 77 were without positions. Of the total number, 348 were registered in the Graduate School. The major fields represented by secondary school teachers were agriculture, home economics, science, commercial subjects, social studies, English, and industrial arts. While the great majority of these students came from New York State, there were representatives from thirty other states.

CONFERENCES

The third conference on the Problems of the Unadjusted Child was held August 3-7. This conference represents the cooperation of the New York State Department of Education and the Graduate School of Education. One hundred thirty-nine persons outside of the Summer School were registered. While most of these were from New York State, there were representatives from New Jersey, Pennsylvania, Massachusetts, and Maryland. Of these, 35 were connected in some way with the administration of attendance; 21 were principals and superintendents; 21 were various kinds of special teachers; while the remainder represented various forms of educational service, such as the school nurse, the dean of girls, the nurse-teacher, the guidance counsellor, and the like.

The Twelfth Institute for Parent-Teacher Leaders was held during the week of April 12. Its general theme was "Meeting the Challenges of an Expanding Educational Program Resulting from Growing Educational Needs." Approximately 500 different persons were in attendance. Of these, 385 were registered.

OTHER DEVELOPMENTS DURING THE YEAR

Members of the staff are called upon to speak at various kinds of meetings both in and out of the State. The Department of Rural Education, as a state-supported unit, has particular responsibility for such service to New York. During the past year, 9 members of this Department gave 85 lectures to approximately 12,800 persons.

The program for the training of secondary school teachers has been strengthened by the addition of Dr. Howard R. Anderson who has been appointed Assistant Professor of Education in charge of the training of teachers in the Social Studies. He will be jointly employed by the Ithaca Board of Education and the University. In connection with his public school work, he will act as Chairman of the Social Studies Departments in the Junior and the Senior High Schools. In order to coordinate the training in subject matter with that in professional education, Dr. Anderson has been given a seat in the Faculty of Arts and Sciences with assignment to the Department of History. Dr. Anderson has had extensive experience in the training of teachers at the University of Iowa, where he has been Head of the Social Studies Department in the University High School and Assistant Professor of History since 1930. He has done extensive writing in his field.

The Faculty of the Graduate School of Education has approved a program for the training of guidance counsellors that will enable properly prepared students to secure a New York State Counsellor's Certificate and at the same time to earn a Master of Science in Education degree. Although the major part of this work is now done through the summer session, it is expected that shortly a modified program will be offered during the regular year. In connection with this program the first step has been taken toward the development of an adequate guidance clinic and laboratory where case studies may be made and where important information regarding occupations, tests useful in analyzing individual capacities, and the like will be available.

Because the work connected with placement and the training of secondary school teachers in the academic subjects has developed to a point where one per-

son cannot adequately deal with both, it has been found desirable to separate these two functions. Beginning on October 1, 1937, Mr. Lewis Eldred will become Chairman of the Bureau of Educational Service.

Efforts made during the year to develop a more adequate plan for the training of secondary school teachers did not result in the establishment of a program. However, the discussions that took place have aided in clarifying the issues involved. There appear to be four significant problems: (1) Shall Cornell train its secondary school teachers through a four-year program, should one of five years be established or should we continue as at present to carry both a four-year and a five-year program? (2) How may we make a preliminary selection of superior students interested in secondary school teaching and how may we give the proper guidance to these students so that they will be adequately prepared in their subject matter fields? (3) How should the program for the training of secondary school teachers be organized so as to secure the active cooperation of those members of the Faculty concerned with instruction in subject matter and those in professional education? (4) What plan of professional education will develop to the highest degree, in the time available, the professional ability of those preparing for secondary school teaching? Late in the spring the College of Arts and Sciences established a committee to deal with the second of these problems as related to the academic subjects. Next fall the Graduate School of Education will take the initiative in preparing plans for dealing with the other problems.

NEED FOR BETTER RESEARCH FACILITIES

Since the beginning of the century, especially, there has been an amazing expansion in the program of public education in the United States. The problems created by this expansion have been many and insistent, so much so that our profession has, perhaps, developed courses of instruction even where we have lacked essential knowledge. Whether or not this be true, it will be generally conceded that these educational problems merit extensive and exacting study.

Here at Cornell, where we have had only a few assistantships and fellowships, and where other research funds have been limited, much of our research has, of necessity, been of the piecemeal variety such as could be done without large financial outlay by individual students and faculty members. It would be desirable if we could concentrate on certain of the larger problems of research, in fields where we have unusual strength, until they have been solved so far as is now possible. To do this we need a number of scholarships and fellowships sufficiently liberally endowed that the highest grade of intellectual ability will be attracted. We need also funds for the development of clinical and laboratory facilities and for travel where problems must be studied in the field.

JULIAN E. BUTTERWORTH,
Director of the Graduate School of Education.

APPENDIX XIV

REPORT OF THE ADMINISTRATIVE BOARD OF THE SUMMER SESSION

To the President of the University:

SIR: I have the honor to submit in behalf of the Administrative Board of the Summer Session the following report of the Session of 1936.

The term of service of Professor G. H. Sabine on the Administrative Board expired on November 1, 1935, and Professor O. D. von Engeln was appointed to succeed him.

The Summer Session of 1936 began on July 6 and ended on August 14. The expansion of the work for teachers and school administrators in the State Summer Schools resulted in a significant increase in enrollment in those Schools and in total enrollment. Other significant facts about attendance are shown in the following tables, in some of which the corresponding data for 1935 are given for comparison.

ATTENDANCE

	1935	1936
Men.	979	1076
Women...	795	848
	<hr/>	<hr/>
Totals.....	1774	1924

ATTENDANCE BY SCHOOLS

	1935	1936
University Summer School.	1339	1313
State Summer School of Agriculture.	781	916
State Summer School of Home Economics.	128	172
Summer School of Hotel Administration.	73	111
	<hr/>	<hr/>
	2321	2512
Less double registrants.	547	588
	<hr/>	<hr/>
	1774	1924

STUDENTS IN THE GRADUATE SCHOOL

	1935	1936
Registered in the Summer Session.	570	634
Registered under Personal Direction.	152	168
	<hr/>	<hr/>
	722	802

CLASSIFICATION OF STUDENTS BY PREVIOUS TRAINING

	1936
Graduate degrees.	197
Bachelor's degrees.	889
Undergraduates.	552
Normal School graduates.	82
Others.	204
	<hr/>
	1924

PRESIDENT'S REPORT

CLASSIFICATION OF GRADUATES AND UNDERGRADUATES

	1936		
	<i>Cornell</i>	<i>Other Institutions</i>	<i>Totals</i>
Doctor's degree	3	11	14
Master's degree	34	149	183
Bachelor's degree	209	680	889
Undergraduates	323	229	552
	<hr/> 569	<hr/> 1069	<hr/> 1638

CLASSIFICATION OF TEACHERS IN ATTENDANCE

	<i>1936</i>
Universities and Colleges	120
Normal Schools	2
Junior Colleges	6
Superintendents	31
Principals	78
Supervisors	18
High Schools	576
Junior High Schools	68
Grade Schools	85
Others (business schools, kindergartens, etc.)	29
	<hr/> 1013

GEOGRAPHICAL DISTRIBUTION

	<i>1935</i>	<i>1936</i>
New York	1163	1194
Pennsylvania	153	155
New Jersey	66	80
Other Middle Atlantic States	35	37
New England	113	113
South	69	90
South West	12	17
Middle West	107	119
Rocky Mountain States	8	7
Pacific Coast	7	7
Philippines	2	0
Canada	14	13
Foreign Countries	25	36
	<hr/> 1774	<hr/> 1924

LOREN C. PETRY,
Director of the Summer Session.

APPENDIX XV

REPORT OF THE DEAN OF WOMEN

To the President of the University:

SIR: I have the honor to submit to you the following report of the Dean of Women, for the year 1936-37.

Several changes were made the past year in the housing and chaperon situation among women. The six dormitories were used with one change in chaperon—Mrs. Fannie G. Russell as Head Resident of Prudence Risley. Twelve sorority houses were in use, with two changes in chaperons, Alpha Phi filled the position with Miss Ethel Willmer; Alpha Xi Delta with Miss Natalie Edgar after the Christmas holidays—Mrs. Smith resigning at that time. Kappa Kappa Gamma lived in the various dormitories during the year as the chapter tore down its house during the year and began the construction of a new house. Sill Cottage at 5 East Avenue was opened for undergraduates to take care of nineteen who could not be accommodated in the regular dormitories. This increase in number "in residence" was due partly to the fact that the number obliged to earn board and room in private families decreased appreciably. Miss Eleanor Thomas served very acceptably as chaperon. The Head Residents of the dormitories were, Risley, Mrs. Fannie G. Russell; Sage, Miss Grace Seely; Balch Halls Unit I, Miss Mary E. Cornell; Unit II, Mrs. Carolyn Powell; Unit III, Mrs. Mabel Daniell; Unit IV, Mrs. Mabel Conger.

VOCATIONAL CONFERENCES

The second conference on Fields of Work for Women, sponsored by the Cornell Federation of Women's Clubs, was held in Willard Straight Hall on April 17. Seven Cornell Alumnae of prominence held both general talks and personal conferences with undergraduates. In addition to this, Mrs. Hortense Hudson, a specialist in Vocational Information, was here for several days in December 1936, holding personal interviews with students, both undergraduate and graduate. Seniors were especially interested.

EMPLOYMENT

The number of women students needing some assistance in financing their education at Cornell remains approximately the same as for the past few years—about thirty-nine per cent of the women students. No exceptional new fields have been opened. The task of securing employment, directing the students, arranging with employers, talking over general situations takes almost the entire time of one assistant, Miss Eleanor Simonds. Various departments of the University, including the N. Y. A., have been particularly cooperative.

W. S. G. A.

Miss Katherine Skehan has been a very successful President of the Women's Self-Government Association the past year and has had effective cooperation from her council. One of the organizations made a survey of the interests of women students and this was valuable—securing the services of a larger number of students in activities than heretofore.

SUMMER SESSION 1936

The enrollment of women at the Summer Session increased to something over nine hundred. Sage, the four Units of Balch, Risley Cottage, Risley Terrace, and five sorority houses were used for University residences. A number of graduate women lived in approved private homes.

PRESIDENT'S REPORT

SOCIAL LIFE

Week-ends are filled with parties of one kind and another, and almost, without exception, the social life of students is limited to Friday and Saturday nights. The Student Council during the year invited the President and first Vice President of W. S. G. A. to meet with them as members of the Council. This group and the W. S. G. A. officers have discussed many campus problems and have contributed some valuable suggestions for improving conditions on the campus.

STAFF

The Dean of Women's staff has consisted the past year of herself, two assistants, Miss Eleanor Simonds who has completed her tenth year, and Miss Margaret Thompson who finished her second year. In addition, some part-time clerical assistance was of great value, but insufficient in amount.

R. LOUISE FITCH,
Dean of Women.

APPENDIX XVI

REPORT OF THE DIRECTOR OF ADMISSIONS

To the President of the University:

SIR: I respectfully submit my report on admissions to the undergraduate colleges of the University in September 1936.

TABLE I

This table shows the number who applied and the number of new students admitted to each of the undergraduate colleges. Only those have been counted as applicants who actually filed formal applications for admission as regular students; persons merely indicating intent to enter, whether by letter or by interview, are not included. So-called "special students" are counted separately. Under "admitted" are included those who met all University requirements and the particular requirements of the college concerned and who were consequently notified that they were entitled to matriculate as regular students, whether they afterwards registered or not. (For figures on registration see the Registrar's report.)

A. Applications and admissions from secondary schools:

<i>College</i>	<i>Applied</i>	<i>Admitted</i>
Arts and Sciences		
A.B.	961	450
B.Chem.	111	60
Agriculture.	638	341
Home Economics.	341	103
Hotel Administration.	134	67
Architecture.	29	19
Engineering.	312	210
	<hr/> 2526	<hr/> 1250

B. Applications and admissions by transfer from other higher institutions:

<i>College</i>	<i>Applied</i>	<i>Admitted</i>
Arts and Sciences		
A.B.	235	91
B.Chem.	13	5
Agriculture.	159	62
Home Economics.	83	16
Hotel Administration.	48	20
Veterinary	160	21
Architecture.	18	11
Engineering.	61	40
	<hr/> 777	<hr/> 266

C. Special students, including the two-year Special Courses in Agriculture:

<i>College</i>	<i>Applied</i>	<i>Admitted</i>
Arts and Sciences		
A.B.	8	5
Agriculture.	18	15
2 year Special.	191	127
Home Economics.	4	3
Hotel Administration.	8	5
Engineering.	3	3
	<hr/> 232	<hr/> 158
Grand Total.	3535	1674
Less "specials".	232	158
	<hr/>	<hr/>

Total "regulars" (for comparison with totals given in previous reports, which excluded "specials")....

3303 1516

The total applications for 1936 show an increase of 334 and the admissions an increase of 173 over those for 1935.

TABLE II

Students admitted from secondary schools (see I, A) divide as follows according to the method by which each one offered the greater part of his entrance credit:

Certificate.	401
Regents.	819
Examination.	5
College Board.	25

1250

Many students present entrance credit by more than one of the four methods. The following shows the number offering credit by any one of the four methods:

Certificate.	947
Regents.	850
Examination.	88
College Board.	65

Two hundred and eighty-nine schools used the certificate privilege in 1936.

TABLE III

ENTRANCE EXAMINATIONS

Total new applicants trying the September entrance examinations.	123
Applicants who completed entrance requirements by examination.	88
Applicants trying examinations but failing to meet requirements thereby.	35

The proportion of passing grades (60 or above) for all subjects to the total number of grades reported was, in 1936, 48%.

As I said once in a previous report, these barren statistics inadequately represent the real work of the Office of Admissions, which is largely a work in human relations. We are dealing with individual human beings—with boys and girls, their relatives, their friends, and the officers of their schools. While tables of figures are valuable as a record through the years, they can reveal nothing of the daily correspondence and the almost constant stream of visitors to the Office for interviews. Nor do they reveal the careful and conscientious study of each application by the several Committees on Admissions in the colleges where selection of a limited number is made from the eligible candidates. In dealing with large numbers there is a natural but dangerous tendency towards the mechanical and automatic; but it is fair to say that each applicant for admission to Cornell receives the individual attention due a human being.

Since you are now relinquishing the cares of office, I cannot conclude my final report to you without expressing my deep and lasting appreciation of the friendly interest and the quick and thorough understanding you have always shown, and the wise counsel you have invariably given, when a problem of admissions came before you, whether it involved a question of general policy or the future welfare of an individual student.

E. F. BRADFORD,
Director of Admissions.

APPENDIX XVII

REPORT OF THE REGISTRAR

To the President of the University:

SIR: I have the honor to submit herewith my seventh annual report as Registrar of the University. The report covers the academic year 1936-37 including the Summer Session of 1936 and, for convenience, work between the end of the second term 1935-36 and July 1, 1936 but excluding work between the end of the second term 1936-37 and July 1, 1937.

THE YEAR

	<i>Days in Session</i>	<i>Sun- days</i>	<i>Holi- days</i>	<i>Vaca- tion</i>	<i>Total</i>
Summer Vacation, June 16-July 5				20	20
Summer Session, July 6-August 14	35	5			40
Summer Vacation, Aug. 15-Sept. 27				44	44
First Term, Sept. 28-Feb. 10	101½	15			116½
Thanksgiving Vacation, Nov. 26-Nov. 29				4	4
Christmas Vacation, Dec. 19-Jan. 3				15½	15½
Midyear Recess, Feb. 11				1	1
Spring Vacation, April 3-April 11				8½	8½
Spring Day, May 29			1		1
Second Term, Feb. 12-June 21	103½	17			120½

ATTENDANCE FOR THE YEAR 1936-37

		Graduates	Class 1941	Class 1940	Class 1939	Class 1938	Class 1937	2 Yr. Spec. Agr.	Special	Total	Duplicates	Net Total
Agriculture	Men.....		4	317	234	232	165	208	34	1194		
	Women.....			55	37	36	27		9	164		
	Total.....		4	372	271	268	192	208	43	1358		
Architecture	Men.....		15	14	18	29	35			111		
	Women.....		3	8	4	7	2			24		
	Total.....		18	22	22	36	37			135		
Arts	Men.....		2	385	326	305	280		13	1311		
	Women.....			160	155	122	132		3	572		
	Total.....		2	545	481	427	412		16	1883		
Engineering	Men.....		3	315	216	207	189		4	934		
	Women.....			4						4		
	Total.....		3	319	216	207	189		4	938		
Graduates	Men.....	768								768		
	Women.....	167								167		
	Total.....	935								935		
Home Economics	Men.....											
	Women.....			105	97	90	111		14	417		
	Total.....			105	97	90	111		14	417		
Law	Men.....				42	59	46			147		
	Women.....				7	1	1			9		
	Total.....				49	60	47			156		
Medicine	Men.....		70	66	64	65			3	268		
	Women.....			9	7	7	7		1	31		
	Total.....		79	73	71	72			4	299		
Veterinary	Men.....		37	41	30	34				142		
	Women.....		4	3	1	1				9		
	Total.....		41	44	31	35				151		
Hotel	Men.....		69	57	61	41			11	239		
	Women.....		1	6	7				1	15		
	Total.....		70	63	68	41			12	254		
Total	Men.....	768	24	1207	1000	987	855	208	65	5114	171	4943
	Women.....	167	3	346	316	271	281		28	1412	14	1398
	Total.....	935	27	1553	1316	1258	1136	208	93	6526	185	6341

PRESIDENT'S REPORT

*DISTRIBUTION OF DUPLICATES

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Arts—Agriculture.....	7	1	8
Arts—Architecture.....	2	1	3
Arts—Engineering.....	124	4	128
Arts—Medicine.....	11		11
Agriculture—Veterinary.....	2		2
2 Year Agriculture—Summer Session.....	3		3
Architecture—Engineering.....	2		2
Graduate School—Agriculture.....	10		10
Graduate School—Arts.....	6	5	11
Graduate School—Engineering.....	3		3
Graduate School—Home Economics.....		2	2
Graduate School—Medicine.....	2		2
Graduate—Graduate.....	60	21	81
Graduate School (Personal Direction—Graduate)....	48	8	56
Graduate in SS—Graduate (Personal Direction)....	9	3	12
Graduate—Summer Session.....	406	244	650
Summer Session—Agriculture.....	24	6	30
Summer Session—Architecture.....	23	5	28
Summer Session—Arts.....	90	35	125
Summer Session—Engineering.....	95		95
Summer Session—Home Economics.....		11	11
Summer Session—Hotel.....	11		11
Summer Session—Veterinary.....	1	1	2
Total.....	939	347	1286

*To accompany the table showing attendance for the year 1936-37.

ATTENDANCE AT SUMMER SESSIONS, ETC.

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduate, Personal Direction.....	152	41	193
Graduate, 1936 Summer Session.....	389	246	635
Summer Session, 1936.....	1076	848	1924
Short Winter Course, Agriculture, 1936-37.....	109	14	123
Extramural Course.....	12	99	111

MATRICULATES

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduate.....	364	132	496
Advanced Standing.....	177	71	248
First Year.....	1057	334	1391
Special Students.....	27	15	42
2 Year Agricultural Special.....	105		105
Medicine (New York City).....	51	6	57
Summer Session 1936.....	345	507	852
Summer Graduate (Personal Direction).....	4		4
Duplicates.....	169	93	262
Net Totals.....	2299	1158	3457

REGISTRAR'S REPORT

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DEGREES

September 1936; February 1937; and June 1937

	<i>Men</i>	<i>Women</i>	<i>Total</i>
A.B.	228	119	347
B.Chem.	23		23
B.S. (a)*.	153	24	177
B.S. (b).		106	106
B.S. (c).	29	1	30
D.V.M.	34	1	35
B.Arch.	19		19
B. Fine Arts.		1	1
B.L.A.	4	1	5
C.E.	30		30
M.E.	41		41
E.E.	21		21
Chem. Engr.	7		7
B.S. in A.E.	53		53
War Alumnus.	1		1
A.M.	42	32	74
A.M. in Education.	16	2	18
M.S.	60	22	82
M.S. in Education.	22	2	24
M.S. in Agriculture.	11		11
M.S. in Engineering.	10		10
M. in Forestry.	3		3
M. in Chemistry.	3		3
M.C.E.	16		16
M.M.E.	2		2
M.E.E.	2		2
M.F.A.		1	1
J.S.D.	1		1
Ph.D.	110	14	124
LL.B.	41	1	42
M.D.	64	7	71
Totals.	1046	334	1380

*a, means Agriculture; b, Home Economics; c, Hotel Administration.

E. F. BRADFORD,
Registrar.

Class of 1935

	<i>Minimum</i>	<i>Median</i>	<i>Maximum</i>
Agriculture			
Men.....	19-8	22-10	39-3
Women.....	20-7	21-11	26-8
Architecture			
Men.....	21-3	23-5	44-2
Women.....	22-5	23-3	24-1
Arts			
Men.....	18-11	21-8	28-1
Women.....	19-8	20-6	27-9
Engineering			
Men.....	20-	22-3	39-10
Masters			
Men.....	20-7	27-7	72-5
Women.....	20-2	27-5	47-4
Doctors			
Men.....	24-	29-3	47-3
Women.....	20-7	27-2	46-10
Home Economics			
Men.....	21-5	22-7	25-9
Women.....	19-2	22-1	36-4
Law			
Men.....	22-	24-5	27-2
Medicine			
Men.....	22-11	25-11	35-3
Women.....	24-3	26-6	36-9
Veterinary			
Men.....	20-9	23-4	61-8

AGE AT GRADUATION (Supplement to Appendix XVII)

The following table shows in years and months the age at graduation of the class of 1935. For the age at graduation, taken at ten-year periods from 1870 to 1900, and at five-year periods from 1900 to 1930, see the Report of the Registrar 1933-1934.

APPENDIX XVIII

REPORT OF THE UNIVERSITY PLACEMENT BUREAU

To the President of the University:

SIR: I have the honor to submit herewith, on behalf of the University Committee on Placement, the annual report of the University Placement Bureau for the year 1936-37.

The work of the Bureau during its fourth year continued to grow, and the results of its efforts continued to improve. A greater number and a greater variety of jobs were available to seniors this year than during any other year since the Bureau's opening; consequently more placements were made. In fact, the placement figures (Table I) do not reveal the full extent of improvement, for a number of seniors have refused offers of employment which came to them through the Bureau, or have deferred acceptance until they could discuss matters at home. Further, students completing the non-technical undergraduate courses have been more easily and more frequently placed.

As in the past, the Bureau continues to make special efforts on behalf of seniors in Arts and Sciences, since they have no special facilities within the college and, being non-technical, present the most difficult problem. It will be noted, however, that a very large percentage of these students plan to continue their studies, principally in the Graduate School, medicine, and law.

The figures given for Architecture cannot be taken literally; for at this moment practically all members of the graduating class are negotiating for definite positions, but it is too early to include these, since their placements are not as yet determined.

Of the ten unplaced seniors in Veterinary Medicine, eight have taken the civil service examination for federal service and, we are advised, are certain of appointments if they wish them.

TABLE I
EMPLOYMENT OF 1937 GRADUATES
PLACEMENTS BY THE BUREAU
AND THE SEVERAL COLLEGES AND DEPARTMENTS

<i>College</i>	<i>Known Place- ments as of June</i>	<i>Con- tinuing Studies</i>	<i>Total Class</i>	<i>Per cent</i>		
				<i>Apparently 1937</i>	<i>Unemployed Or Not Reporting 1936</i>	<i>1935</i>
Agriculture:						
Men.....	77	16	123	24%	38%	49%
Women.....	3	0	22	86%	79%	48%
Architecture.....	1	0	19	95%	50%	81%
Arts and Sciences:						
Men.....	31	94	188	33%		
Women.....	11	27	98	61%		
B.Chem.....	5	14	21	10%	24%	57%
Engineering:						
B.S. in A.E.	38	2	49	18%	40%	35%
C.E.....	9	1	15	33%	40%	80%
E.E.....	16	1	21	19%	25%	38%
M.E.....	38	2	42	5%	24%	54%
Chem. Engr.....	6	0	7	14%	0%	0%
Home Economics.....	49	15	92	30%	37%	58%
Hotel Management.....	22	00	23	4%	16%	24%
Veterinary.....	25	00	35	28%	30%	24%
Total.....	330	173	755	33%		

The general economic improvement is reflected also in the status of our alumni, who have obtained satisfactory adjustments in salary and work within their companies, or who have improved their positions through changes. The number of unemployed alumni registrants is small; and the tragic instances of unemployed alumni have all but disappeared, judging from the facts coming before the Bureau and the cooperating alumni offices or secretaries. The employment service of the Cornell Club of New York continues to be most active and effective, under the able and generous efforts of Mr. P. O. Reyneau, '13. He reports 90 placements since July, 1936, the number of calls for men having been about 350. The Bureau works very closely with the New York service, with respect to both alumni and seniors, the latter being referred to the New York office if they are interested in obtaining employment in the New York area. The New York office continues to be, in effect, an integral part of this Bureau. Since it is a full-time and organized service, functioning effectively for seniors and alumni, we continue to recommend its partial support out of funds appropriated to the Bureau.

Other alumni clubs are cooperating with the Bureau informally, through their selected men who act as "clearing centers", give publicity to the Bureau, interview Cornellians looking for work, and call on prospective employers, so far as they are able to take time from their regular occupations. These men have been generous in their cooperation. They report numerous interviews and fifteen placements. The alumni cooperating and their clubs follows: Mr. I. R. Asen, Newark; Mr. E. C. Batchelar, Pittsburgh; Mr. T. Dransfield, 3rd, Minneapolis; Mr. H. R. Johnston, Buffalo; Mr. W. E. Flickenger, Cleveland; Mr. P. J. Kent, Michigan; Mr. H. W. Peters, Michigan; Mr. H. J. Kimball, Northern New York; Mr. A. C. Kletzsch, jr., Milwaukee; Mr. W. A. Marshall, 3rd, Baltimore; Mr. N. H. Long, Baltimore; Mr. B. McNeil, Chicago; Mr. H. Merrill, Washington; Mr. F. A. Niccolls, Boston; Mr. R. D. Patch, Philadelphia; Mr. A. O. Shallna, Cambridge; Mr. W. J. Thorne, Syracuse; Mr. J. W. Way, Binghamton; Mr. G. A. West, Rochester; and Mr. I. Rodwell, Rochester.

The activities of the University Placement Bureau, in the past year, with alumni are shown in Table II.

TABLE II
ALUMNI REGISTRATION

	1935	1936	1937
Actively interested in new positions (most now working).....	368	332	481
Satisfactorily employed since registering.....	224	755	868
Records and references of former seniors.....			609
Total registrations on file.....			1959

ALUMNI PLACEMENT

Alumni placed in permanent positions.....	24	16	19
Company calls for alumni.....	165	184	260

For the second year, the Bureau has handled summer jobs for undergraduates, although such work is not solicited. This year, eighteen students have been placed in such jobs. This year, again perhaps as a sign of improved conditions, students were not so much interested in obtaining the many summer jobs which are very poorly paid. Also, it is reported that undergraduates have been more successful in finding their own summer work.

The student-aid program of the National Youth Administration has again been of tremendous help to hundreds of our students and of much value to the University, as well; for a great variety of useful and significant work has been done by the students thus employed. During the nine months of the academic year, an average of six hundred and sixty-one undergraduates and eighty-three graduate students were employed, earning, respectively, \$14.17 and \$28.68 per month. The Director of the Bureau who is in intimate association with these N. Y. A. workers states: "There can be no question but what the money these students earned has been spent for necessities; it would be difficult, if not impossible, for this group to remain in college without such help."

TABLE III
UNDERGRADUATE PROGRAM

<i>Month</i>	<i>Number of Students Aided</i>	<i>Average Earned per Student</i>
October	665	\$13.10
November	671	14.45
December	677	14.31
January	662	13.27
February	688	14.65
March	674	15.31
April	686	14.15
May	667	15.10
June	556	13.18

GRADUATE PROGRAM

October	91	\$23.16
November	67	31.81
December	87	23.47
January	77	24.01
February	93	24.10
March	91	24.20
April	90	24.10
May	82	24.40
June	65	22.91

Total payments to undergraduates	\$ 84,389.89
Total payments to graduates	18,232.26
Grand total of payments	102,622.15

The N. Y. A. work program raises some important issues. It is probable that before long the question of making permanent such a program will arise, and universities will be consulted. Cornell, presumably, will have to take a position in the matter. If the program should be discontinued or drastically curtailed it will be necessary to study systematically the sources of assistance available to needy Cornell students. Furthermore, in many departments operations and research have been raised to a higher level of effectiveness and productivity through N. Y. A. students—graduates and undergraduates—so that elimination of the student-aid work program will cause important and difficult readjustments, unless the University continues the work, in modified form, independently.

The data in the preceding tables furnish ample evidence of the growing and real value of the work performed by the Bureau. But a large part of its significance is not susceptible to statistical measurement and evaluation. It is a central coordinating office, facilitating and encouraging association between employee and employer, even in connection with the several colleges which have their specialized placement services. The Bureau serves as a clearing house, handles preliminary negotiations, cooperates with placement offices in the several colleges to the end that all inquiries from employers receive prompt consideration in the various colleges or departments that might be concerned. The Bureau is charged with the promotion and publicity work necessary to increase the usefulness of Cornell's placement services. Finally, the Bureau is of especial value to the non-technical student whose interests are extremely varied and who do not know where to begin in seeking employment. We believe that the Bureau must look forward to an extension of its work in the field of occupational guidance and selection, utilizing the scientific resources within the university and its faculty in an effort to place the selection of occupations upon a sounder basis. At present, our efforts in this direction are limited very largely to supplying occupational information and to informal interviews with students, of which there are hundreds a year.

F. S. FREEMAN, *Chairman*,
University Committee on Placement.

APPENDIX XIX

REPORT OF THE DIRECTOR OF PHYSICAL
EDUCATION AND ATHLETICS

To the President of the University:

SIR: We take great pleasure in submitting a report of our department for the academic year 1936-37.

COORDINATION

This was the second year in which this department as such worked as an integral part of the University. New advances were made with regard to coordinating all of our operations with those of the other University departments.

The most recent service of which we availed ourselves was that of the Purchasing Department. This proved to be a most economical move and provided us with eminently more satisfactory equipment at better prices.

The Department of Buildings and Grounds continued their work in making additions to our plant as well as bringing up to date that which we now have. The maintenance service was used to keep all of our facilities up to a proper operating level. As a result of their cooperation and assistance our department is rapidly being put into first class physical condition and will be maintained as such for the future.

The Office of the Comptroller has been used extensively for the clearance of all our accounts and has simplified our financial operations.

We feel that we are now proceeding on a regular basis and that we are fully coordinated with all of the other operating departments of the University.

PERSONNEL

The coaching staff plays a major part in our program, particularly in that it is continually molding the character of the men with which it works. With this in mind it was deemed advisable to make several changes in staff for this year. Each man selected was chosen as a leader in his field and was expected to be of that exemplary character to which we would have our undergraduates exposed. Their work has proven eminently satisfactory and we feel we now have a staff which compares favorably with those of other institutions as well as providing the high caliber men which are found in all departments of this University.

It is our policy to keep our staff up to date by attendance at regular coaching schools and meetings in their respective fields. We shall continue to scrutinize them as to character and as to their ability so that our staff will be of high caliber at all times.

FINANCES

The income derived from student fees is not sufficient to cover the Physical Education and Intramural programs. Hence an additional appropriation is made by the Trustees to cover these divisions. This year the cost of carrying on this work was kept within the bounds of this appropriation although it was augmented to some extent by the income derived from the regular roller skating carnivals held under the supervision of Professor C. V. P. Young.

The Athletic Division became for the first year in five entirely self sufficient, a profit of \$567.73 being shown. This, however, was not a true picture of our regular activities since it was necessary to bring all our accounts up to date, some back salaries were cleared from the books, and a program of expansion and improvement of facilities was carried out. At the same time, there were alumni contributions and other out of the ordinary sources of income which considerably augmented that derived from our ordinary operations.

Even though the intercollegiate program is predicated on receipts derived from football, it is felt that this division can be made self sufficient for future years.

PHYSICAL EDUCATION

There were no marked changes herein since the department is now operating at practically full capacity with those facilities now available. Efforts were made to increase the participation and instruction in those so-called "carry-over" sports which are those followed as recreation after the college years. With this in mind tennis and golf facilities particularly were expanded and improved, and competent instruction was provided for large groups of men and women undergraduates. Indoor golf work was provided for by the addition of a room in the old heating plant adjacent to the Old Armory.

It is hoped that until such a time as we may be provided with a new sports building, we may further adapt this heating plant to use for indoor work.

INTRAMURAL SPORTS

Nicholas Bawlf was introduced as supervisor of this division this year. With his untiring attention and individual efforts, a program was developed to bring intramural sports before the undergraduate public and to invite their participation.

A marked effort was made to increase the scope in the number of sports carried on, and in the number of participants in these various sports. This attempt resulted in our completing approximately 1,000 contests in some twenty-six various sports. Since there is no compulsory physical education, the efforts of this division will continue to be extended to induce as nearly as possible all able-bodied undergraduates to take part in some form of competitive athletics.

The formulation of an athletic record of all male undergraduates has been started. Each undergraduate is asked to fill out a card giving his athletic experience and his desires concerning sports in which he wishes to take part. For those men not taking part in intercollegiate athletics efforts are made to interest them in intramural sports. This plan is developing well and in a short while a complete athletic record of all undergraduates will be available.

ATHLETIC DIVISION

Here marked improvement has been shown. As has been noted, the financial situation is vastly improved. The coaching personnel has been brought up to the desired level. With the advent of improved intercollegiate teams, the interest and enthusiasm of the undergraduate body toward all athletics has started on the upgrade, this being reflected in increased participation in all sports, and apparent increased enjoyment by those men participating.

The facilities for intercollegiate athletics are now at a decent standard and will be maintained properly in the future.

Marked attempts were made to develop and increase competition with those institutions which operate on the same basis as we do, particularly with regard to their scholastic aims. This has resulted in more intimate and regular relationships with all of our leading Eastern colleges.

COOPERATION

All of our associations—those with the other institutions, with all University departments, the faculty, undergraduates, and alumni alike have been of a most pleasant sort. From each of these groups we have had continued cooperation and the constructive criticism which has enabled us to carry on in the development of a sound athletic program. Considerable progress has been made in all lines and we trust will continue to be made for future years.

JAMES LYNNAH,
Director of Physical Education and Athletics.

APPENDIX XX

REPORT OF THE DIRECTOR OF EXTRA MURAL COURSES

To the President of the University:

SIR: I have the honor to submit a report on the work of the Extra Mural Courses for the year 1936-1937.

The policy of offering Extra Mural Courses for credit continues to receive cordial approval on the part of the public. Although the work has been established along very modest lines and has been conducted in a conservative manner, it seems that some expansion is probable. Since the work has been strictly self-supporting and offered only by regular members of the staff it has been impossible to meet a number of requests for our services.

During the present academic year courses have been maintained in the following centers:

<i>Place</i>	<i>Number of Students</i>
Elmira.	28
Ithaca.	11
Penn Yan.	24
Wellsville.	16
Williamson.	32
Total.	III

The total amount received for tuition from these students is \$2,530. Expenditures for instruction were \$1,545 for salaries and \$403.55 for necessary travel—a total of \$1,948.55. Office expenses incurred in the administration of the work were \$29.51.

Total receipts.	\$2,530.00
Total expenses for maintaining Courses (does not include salary of Director).	1,978.06
Balance.	\$ 551.94

There are unquestionably significant values in the courses themselves owing to their timeliness and the conditions under which they are given, but a concomitant value is derived in the attitudes of cordial good will toward the University. Public school officers and teachers have repeatedly mentioned in complimentary terms the willingness of the University to cooperate in services of this type. The fact that the courses are available, even under restricted conditions, has relieved the University of certain adverse criticisms which have been offered in the past, because no provision was made for rendering services of this type.

CLYDE B. MOORE,
Director, Extra Mural Courses.

APPENDIX XXI

REPORT OF THE LIBRARIAN

To the President of the University:

SIR: I have the honor to submit the report of the Librarian of the University Library for the year beginning July 1, 1936 and ended June 30, 1937.

For a number of years in the recent past the Librarian's report began with a reiteration of the statement that our Library was overcrowded and that an increase of space for books and for staff working quarters was an urgent necessity. It is a source of grateful joy and profound satisfaction to the Librarian and to all who use or work in the University Library building to be able to announce that the first of these evils, the dangerous congestion of books, has been remedied for the time being.

The construction of the new stack wing in the southwest angle of the original library building, approved by the Trustees early in 1936, was begun in July 1936. In February 1937 the new structure, embracing a cellar not used for books, and eight decks equipped with modern book shelves and a modern lighting system, with seventy cubicles or book stalls for the use of faculty members or graduate students engaged in research, as well as a spacious seminar room on the top floor, was ready for use.

The operation of moving books into the new stack was begun in November 1936. It was no small task, for it involved not merely the moving of the 111,000 binder's volumes which now occupy this new stack, but the relocation of every single volume in the Library with the exception of books in the periodical room, in the reference and seminar rooms, and the greater portion of the books in the main reading room. In all more than half a million actual binder's volumes had to be shifted and the operation is not yet completed. The manual labor was provided almost entirely by students working under subsidy by the National Youth Administration. To this government agency and to its officials at Cornell University the Librarian offers his most grateful thanks, for the timely and substantial aid and for the ever ready cooperation and support, without which our book moving problem could not have found an easy solution.

The 111,000 volumes now housed in the new stack represent about one fifth of the contents of the University Library building. It is the Librarian's earnest hope that the space now provided on the shelves by the new arrangement will afford room for growth for at least six or seven years. In the meantime the problem of added space for the increasing work of the staff remains unsolved.

The action of the Board of Trustees which authorized the erection of the new stack, also provided for an increase in the size of the staff by the addition of two new cataloguers and a male library helper. Working places for these had to be found by sacrificing valuable space hitherto used for readers' tables on the main floor of the west stack. At the same time the Trustees increased the annual book fund appropriation by \$2,500, so that the book buying power of the Library is more nearly what it was before the depression caused such a deplorable shrinkage in our book endowment income. The amount spent for books during the year 1936-37 was \$34,931 as compared with \$30,754.14 spent in 1935-36.

STAFF

During the year the following new members were added to the staff: Mr. Eric T. Schuler, Cataloguer, Mr. Russell Barnes, Library Helper. Mrs. Muriel Farr Bennett and Miss Louise C. Titcomb were employed as temporary cataloguers. Miss Rachel Wood, Readers' Assistant, resigned and was replaced by Miss Marion E. Struble.

NATIONAL YOUTH ADMINISTRATION STUDENT EMPLOYEES

In addition to the great amount of labor consumed in book moving already commented upon, student relief employees were also engaged in book repairing, a large

amount of book cleaning necessitated by the quantities of dust raised by the building operations connected with the new stack, making book number signs for the new book locations, redistributing catalogue cards for a radical expansion of the card catalogue which had become as congested as the books on the shelves, and making an entirely new set of contents signs for the trays of the expanded catalogue. A new census of books by stacks and decks, according to the new book locations was begun. It will be completed next term.

EXHIBITION

The expansion of the catalogue could be carried out only by encroaching upon the space in the main entrance vestibule, hitherto used for exhibition cases. The last exhibition under the old conditions consisted of a selection of interesting American play bills from the collection bequeathed by Benno Loewy. The display showed eighteenth century play bills from New York, Philadelphia, and Baltimore, and nineteenth century bills from these cities as well as from New Orleans, Pittsburgh, St. Louis, Rochester, Portland, Me., and San Francisco.

Of the original seven show cases, four, inconveniently scattered, remain. They were used for an Alumni Exhibit during the Commencement period, which displayed some of the Library's most valuable possessions, its earliest written documents and printed books, as well as striking rarities from the Dante, the Petrarch, the Icelandic, and the Wason Chinese collections.

ACCESSIONS

The total amount expended for books during the year was \$34,931 as against \$30,754 last year. Miss Ingersoll, Head of the Accessions Division, reports that the total number of additions to the accession book was 10,668 as against 9,841 last year. Of these 8,420 went to the general library, the remainder into special collections. Of the general acquisitions 4,739 were purchased and 3,681 were gifts.

	<i>Items Added</i>	<i>Present Extent</i>
General Library.	8,420	672,752
Fiske Dante Collection.	58	10,668
Fiske Petrarch Collection.	26	4,492
Fiske Icelandic Collection.	275	20,668
Wason Chinese Collection.	465	22,236
Wordsworth Collection (Gift of Mr. Victor Emanuel).	—	2,551
Cornell University theses.	630	12,396
Philological Seminary Collection.	6	1,154
Philosophical Seminary Collection.	4	1,000
German Seminary Collection.	—	759
French Seminary Collection.	—	24
Latin Seminary Collection.	—	326
American History Seminary Collection.	1	666
Manuscripts.	3	952
Cornell University maps and plans.	—	202
Maps.	2	1,155
U. S. Coast Survey Charts.	—	950
U. S. Geological Survey Topographical Sheets.	81	3,960
U. S. Geological Survey atlases.	—	216
British Geological Survey maps.	—	600
College of Architecture Library.	63	2,661
Barnes Hall Library.	29	3,679
Chemistry Library (Special).	21	398
Comstock Memorial Library.	96	1,690
Economics Laboratory Collection.	—	340
Forestry Library.	—	1,881
Flower Veterinary Library.	314	11,405

LIBRARIAN'S REPORT

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	<i>Items Added</i>	<i>Present Extent</i>
Goldwin Smith Hall Library.....	140	3,675
Gray Memorial Library (Electrical Engineering).....	19	819
Hart Memorial Library (English Literature).....	—	4,758
Kuichling Engineering Library.....	15	2,233
Rockefeller Hall Library (Physics).....	—	1,190
Van Cleef Memorial Library (Medicine).....	168	4,469
Total, including manuscripts and maps.....	10,668	796,922
New York State College of Agriculture Library.....	13,689	98,772
New York State College of Home Economics Library.....	568	7,236
Law Library.....	3,703	82,355
Total on entire campus.....	28,628	985,285

CATALOGUE DIVISION

Miss Speed, Head of the Catalogue Division, reports the following figures:

Volumes and pamphlets catalogued.....	14,476
Maps catalogued.....	80
Manuscripts catalogued.....	2
Titles added to the catalogue.....	9,174
Typewritten cards added.....	14,550
Printed cards added.....	14,075
Cards added to Library of Congress Depository Catalogue.....	47,631
Additions to cards.....	5,969
Volumes recatalogued.....	784
Cards corrected or dated.....	3,176

CLASSIFICATION AND SHELF DIVISION

The figures reported by Mr. De Grassi for this division are:

Books classified.....	9,641
Documents.....	255
Manuscripts.....	1
Maps.....	84
Theses.....	291
Books reclassified.....	3
Presses moved to the new stack.....	3,073

PERIODICALS DIVISION

Miss Leland, Head of the Periodicals Division reports:

Periodicals currently received:

By subscription.....	1,272
By gift and exchange.....	1,311
Total.....	2,583
Number of volumes on open shelves.....	3,655
Current periodicals on open shelves.....	670
Issued for brief home use.....	633
Periodical volumes bound during the year.....	3,263

The list of publications of faculty members and university officers, appended to the President's Report, was edited, as usual, by Miss Leland.

READERS' DIVISION

Mr. Willis, Associate Librarian, who is in charge of the Reading Room and of Inter-Library Loans provides the following figures:

Days open to the public.....	341
Registered borrowers	
Faculty.....	1,488
Students	
College Year.....	5,359
Summer Session.....	278
Recorded Use	
Reading Room (number of books).....	116,232
Seminary Rooms.....	2,791
Laboratories and Departments.....	4,086
Home Use (including 10,777 "Seven-day" loans).....	47,278

INTER-LIBRARY LOANS

Lent to other libraries (volumes).....	905
Borrowed from other libraries.....	345

The number of university, college, government, and industrial libraries that borrowed from Cornell was 146. They included:

University of Rochester.....	94	Buffalo University.....	22
Columbia University.....	46	Eastman Kodak Company.....	21
Wells College.....	35	E. I. duPont Company.....	18
University of California		Princeton University.....	17
(Los Angeles).....	33	Pennsylvania State College.....	16
Northwestern University.....	31	Smith College.....	16
Corning Glass Works.....	25	University of Michigan.....	11
Duke University.....	24	University of Pennsylvania.....	10
Syracuse University.....	24	Brown University.....	8
University of Iowa.....	23		

Cornell borrowed books from thirty-eight other libraries. They included:

Library of Congress.....	88	U. S. Geological Survey.....	19
University of Rochester (including		Brown University.....	11
32 from Sibley Musical Library).....	45	University of Chicago.....	7
Harvard University.....	37	University of Michigan.....	7
Yale University.....	29	Dartmouth College.....	6
Princeton University.....	27	Newberry Library.....	3
Columbia University.....	26	Wells College.....	2

GIFTS

No new endowment funds were added during the past year; but from Mrs. Louis S. Weyl, through Mrs. Miriam S. Weyl, we received a contribution of \$25 to be expended on books to be added to those purchased from the income of the James S. Weyl endowment established last year. For the third successive year the Class of 1899 made an outright gift to the Library from the income of a Class Fund which is eventually to be presented to the University. Their gift this year amounted to \$500. Once again Mr. Elmer M. Johnson of Ithaca made a cash contribution of ten dollars. Through the efforts of Mr. John R. Armstrong of Rochester a group of twelve citizens of Rochester, New York, including Mr. Armstrong himself, gathered a fund of \$146, which was contributed toward the purchase of the eleven volumes of Thomas J. Wise's "The Ashley Catalogue," a privately printed work of the highest importance to the scholar in English literature, which comes into the market very rarely.

From the estate of the late Professor Horatio S. White of Harvard University, formerly at Cornell, we received, through Mr. T. Franklin Currier and Professor F. W. C. Lieder of Harvard, 346 bound books and 585 unbound books and pamphlets mostly on German literature and language from Professor White's library.

Messrs. Elmer E. Morrill and Jesse A. Morrill presented the Library with a large quantity of letters, speeches, one autograph album and other documents that belonged to Justin S. Morrill, the author of the Morrill Act which established the land grant colleges in 1862. They also gave us an edition of the works of Terence and the sixth edition of Sir Philip Sidney's "The Countess of Pembroke's Arcadia" (London, 1627).

Mr. R. M. Roberts donated 328 miscellaneous volumes, and from Emeritus Professor W. F. Willcox we received a large miscellaneous donation of books and journals in the field of statistics and the social sciences.

Mr. and Mrs. William F. E. Gurley continued their many generous gifts of books, especially Shakespeariana.

The list of individual donors numbers 630. To each of these the Librarian wishes here to make a public acknowledgment of the Library's indebtedness and to offer a personal expression of thanks. To the many editors or publishers of journals or magazines named in the list, as well as to the numerous government bureaus, foundations, societies, institutions and business firms, who send us their publications year after year, a special word of thanks is due for their continued, unfailing generosity. As usual the list contains the names of many faculty members and university officers whose thoughtfulness for their own library, continued in many cases over a long period of years, merits a particularly warm acknowledgment.

A random selection of some of the individual gifts will give an idea of the nature of these contributions to our store of books. From Mr. Atal Behari Ghosh, Calcutta, India (deceased), through Mr. G. A. Barnard, we received volumes 16-19 of "Tantrik Texts." Mr. Ralph M. Brown '01, sent us a seventy volume edition of the works of Voltaire (1775-1789) and six volumes of the works of Fontaine (1818). Through Dr. Henry P. de Forest we received, as in previous years, a number of journals from the Library of the Cornell Club of New York. From Professor William H. Glasson we received paper currency issued by the State of North Carolina during the Civil War. Through Miss Mary J. Hull came Burr's map of New York State (Ithaca, 1838), 26 miscellaneous account books of early Ithaca firms, the hotel register of the Clinton House, Ithaca, for the years 1860 to 1863, and other items of interest to the student of the history of Ithaca or New York State from the library of the late Professor Charles H. Hull. From the H. A. Manning Company of Springfield, Massachusetts, through the Ithaca Chamber of Commerce our collection of city directories was increased by 153 volumes. Mr. Carter R. Kingsley '96, donated 32 miscellaneous volumes. Mr. Douglas C. McMurtrie increased the collection of his valuable monographs on printing, particularly on the early presses of American cities, by five new items. Mr. Carl Nestman presented us with 47 miniature scores of classical chamber and orchestra music. Ex-Governor William Sulzer gave us an edition of James Russell Lowell's works, 22 miscellaneous bound books, an album of photographs, two scrap books of newspaper clippings and one letter file box of personal correspondence to be added to the already large collection of Sulzer correspondence now in the possession of the Library. Dr. Alfred Sao-ke Sze '99 sent us the twenty-fifth anniversary supplement of the *China Press* (October 10, 1936) and other books. Mr. R. W. G. Vail '14 donated *The Farmers' Diary or Western Almanac* for 1833 (Ithaca, 1832), the *Western Almanac* for 1840 (Ithaca, 1839) and his own "The Literature of Book Collecting." Mrs. Hendrik Willem van Loon sent us *Simplicissimus*, 1906-1913; *La Vie Parisienne*, 1912; *Le Rire*, 1905-1909; *Die Jugend*, 1913-1919.

OTTO KINKELDEY,

Librarian.

APPENDIX XXII

PUBLICATIONS 1936-37

The University Library keeps alphabetically arranged the publications of University Officers, so far as received at the Library, and for this purpose copies are solicited. Omissions in the following list are due to incomplete information.

- Cornell University.** Official publication. v. 28, 1936-37.
Cornell University. Agricultural Experiment Station. Bulletin. Ithaca, N. Y. No. 652-663, 665-670, 672-673. 1936-37.
 — Memoir. Ithaca, N. Y. No. 190-204. 1936-37.
Cornell University. College of Architecture. Report of the Dean. 1935-36. *Cornell University. Off. pub. v. 28, no. 2. App. XI. 1936.*
Cornell University. College of Arts and Sciences. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. III. 1936.*
Cornell University. College of Engineering. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. XII. 1936.*
Cornell University. Director of Admissions. Report. 1935-36. *Ibid. v. 28, no. 2. App. XVI. 1936.*
Cornell University. Director of Physical Education and Athletics. Report. 1935-36. *Ibid. v. 28, no. 2. App. XIX. 1936.*
Cornell University. Law School. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. IV. 1936.*
Cornell University. Dean of Women. Report. 1935-36. *Ibid. v. 28, no. 2. App. XV. 1936.*
Cornell University. Graduate School. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. II. 1936.*
Cornell University. Graduate School of Education. Report of the Director. 1935-36. *Ibid. v. 28, no. 2. App. XIII. 1936.*
Cornell University. Library. Report of the Librarian. 1935-36. *Ibid. v. 28, no. 2. App. XX. 1936.*
 — Publications (by Cornell University and its officers). 1935-36. *Ibid. v. 28, no. 2. App. XXI. 1936.*
Cornell University. Medical College. Report of the Dean of the Medical College. 1935-36. *Ibid. v. 28, no. 2. App. V. 1936.*
Cornell University. Medical College, Ithaca Division. Report of the Secretary. 1935-36. *Ibid. v. 28, no. 2. App. VI. 1936.*
Cornell University. President. Annual Report. 1935-36. *Ibid. v. 28, no. 2. 1936.*
Cornell University. Registrar. Report. 1935-36. *Ibid. v. 28, no. 2. App. XVII. 1936.*
Cornell University. Summer Session. Report of the Administrative Board. 1935. *Ibid. v. 28, no. 2. App. XIV. 1936.*
Cornell University. University Faculty. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. I. 1936.*
Cornell University. University Placement Bureau. Report. 1935-36. *Ibid. v. 28, no. 2. App. XVIII. 1936.*
New York State College of Agriculture. Report of the Dean for the year 1935-36. *Ibid. v. 28, no. 2. App. VIII. 1936.*
New York State College of Home Economics. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. X. 1936.*
New York State Veterinary College. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. VII. 1936.*
New York State Agricultural Experiment Station. Report of the Dean. 1935-36. *Ibid. v. 28, no. 2. App. IX. 1936.*
New York State Agricultural Experiment Station. Geneva, N. Y. Bulletin 665-678. 1936-37.
 — Technical bulletin. 239-241. 1936-37.

- Areopagus.** Ithaca, N. Y. v. 5. 1936-37.
- Cornell** alumni news. Ithaca, N. Y. v. 39. 1936-37.
- Cornell** countryman. Ithaca, N. Y. v. 34. Oct., 1936-June, 1937.
- Cornell** daily sun. Ithaca, N. Y. v. 57. 1936-37.
- Cornell** engineer. Ithaca, N. Y. v. 2. Oct., 1936-June, 1937.
- Cornell** extension bulletin. Ithaca, N. Y. No. 355-374. 1936-37.
- Cornell** junior extension bulletin. Ithaca, N. Y. No. 57. 1936-37.
- Cornell** law quarterly: published by the faculty and students of the Cornell Law School. Ithaca, N. Y. v. 22. December, 1936-June, 1937.
- Cornell** rural school leaflet. Ithaca, N. Y. v. 30. September, 1936-March, 1937.
- Cornell** Society of Hotelmen. Bulletin. Ithaca, N. Y. v. 9, no. 3-v. 10, no. 2. 1936-37.
- Cornell University.** Engineering Experiment Station. Bulletin. Ithaca, N. Y. No. 22-23. 1936.
- Cornell** veterinarian. Ithaca, N. Y. v. 26. 1936.
- Cornellian.** Ithaca, N. Y. v. 69. 1937.
- Cornellian** Council bulletin. Ithaca, N. Y. v. 22. 1936-37.
- Farm** economics. Ithaca, N. Y. No. 97-102. 1936-37.
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- Widow.** Ithaca, N. Y. v. 43. 1936-37.
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- Hunting with a microphone the voices of vanishing birds. *Nat'l. geog. mag.* v. 71, no. 6 (Je., 1937): 697-723.
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- Anderson, W. A.** Some characteristics of rural families on relief in New York State. *Rural sociol.* v. 1 (Sept., 1936): 322-331.

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- Lipoid pneumonia and conditions that may favor its occurrence. Leona Baumgartner and D. M. Angevine. *Amer. journ. med. sciences* v. 192 (1936): 252.
- Asdell, S. A.** Experiments in the physiology of mammary development and lactation. S. A. Asdell and others. *Cornell Univ. Agric. Exp. Sta. Mem.* 198 (1936): 32 p.
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